

**EXERCISE 1A**

1. Fill in.

The smallest one-digit number is 0. The largest one-digit number is 9.

The largest two-digit number is 99. The smallest two-digit number is 10.

The smallest three-digit number is 100. The largest three-digit number is 999.

2. Write 461 to 480

461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480

3. Write 891 to 910

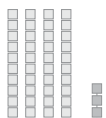
891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910

4. Fill in.

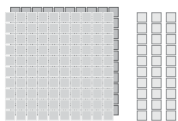
325	326	327	328	329	330	331	332	333
872	873	874	875	876	877	878	879	880
523	524	525	526	527	528	529	530	531

**EXERCISE 1B**

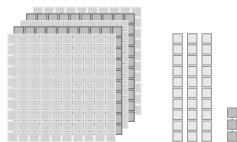
1. Write the numbers.



$$40 + 3 = 43$$



$$200 + 30 + 3 = 233$$



$$500 + 30 + 3 = 533$$

2. Fill in.

a.  $935 = 9 \text{ hundreds} + 3 \text{ tens} + 5 \text{ ones}$

b.  $134 = 1 \text{ hundreds} + 3 \text{ tens} + 4 \text{ ones}$

c.  $326 = 3 \text{ hundreds} + 2 \text{ tens} + 6 \text{ ones}$

d.  $665 = 6 \text{ hundreds} + 6 \text{ tens} + 5 \text{ ones}$

e.  $105 = 1 \text{ hundreds} + 0 \text{ tens} + 5 \text{ ones}$

f.  $843 = 8 \text{ hundreds} + 4 \text{ tens} + 3 \text{ ones}$

g.  $330 = 3 \text{ hundreds} + 3 \text{ tens} + 0 \text{ one}$

h.  $568 = 5 \text{ hundreds} + 6 \text{ tens} + 8 \text{ ones}$

3. Write in the short form.

b.  $400 + 50 + 3 = 453$

c.  $800 + 0 + 4 = 804$

d.  $30 + 6 = 36$

e.  $200 + 80 + 0 = 280$

4. Write in the expanded form.

b.  $537 = 500 + 30 + 7$

c.  $93 = 90 + 3$

d.  $401 = 400 + 0 + 1$

e.  $960 = 900 + 60 + 0$

**EXERCISE 1C**

1. Fill in.

	Number	Digit	Place value	Digit	Place value	Digit	Place value
a.	267	2	200	6	60	7	7
b.	762	7	700	6	60	2	2
c.	627	6	600	2	20	7	7
d.	76			7	70	6	6

2. Write in words.

b. 364 three hundred and sixty-four

c. 185 one hundred and eighty-five

d. 106 one hundred and six

e. 728 seven hundred and twenty-eight

f. 840 eight hundred and forty

**EXERCISE 1D**

1. Write the predecessor (the number before).

a. (41) (42)    b. (79) (80)    c. (100) (101)    d. (246) (247)    e. (199) (200)

f. (427) (428)    g. (542) (543)    h. (599) (600)    i. (769) (770)    j. (807) (808)

2. Write the successor (the number after).

(69) (70)    (149) (150)    (300) (301)    (382) (383)    (478) (479)

(507) (508)    (640) (641)    (739) (740)    (889) (890)    (955) (956)

3. Write the number between.

(57) (58) (59)    (99) (100) (101)    (119) (120) (121)    (785) (786) (787)    (848) (849) (850)

4. Continue the pattern.

(372)    (376)    (380)    (384)    (388)    (392)    (396)

(520)    (540)    (560)    (580)    (600)    (620)    (640)

(850)    (800)    (750)    (700)    (650)    (600)    (550)

## EXERCISE 1 E

1. Write  $>$ ,  $<$  or  $=$ .

- a.   $>$      b.   $>$      c.   $<$      d.   $<$
- e.   $<$      f.   $>$      g.   $<$      h.   $>$

2. Ring (○) the smallest and tick (✓) the largest.

- a.          b.
- c.          d.
- e.          f.

3. Write in ascending order (from the smallest to the largest).

- a.
- b.
- c.
- d.

4. Write in descending order (from the largest to the smallest).

- a.
- b.
- c.
- d.

5. Fill in.

- a. In the week, Tuesday is the second day.
- b. E is the fifth letter of the alphabet and J is the tenth letter.
- c. G is the 7th letter of the alphabet and I is the 9th letter.
- d. In MATHEMATICS, H is the 4th letter and C is the 10th letter.
- e. In WORKSHEETS, the letter T comes 9th place and H comes 6th place.

## EXERCISE 1 F

1. Make three-digit numbers using the given digits.

a.	7,1,5	715	751	571	517	175	157
b.	8,2,6	826	862	682	628	286	268
c.	1,6,4	164	146	461	416	641	614
d.	3,8,7	387	378	783	738	873	837
e.	5,3,1	531	513	351	315	153	135
f.	2,5,8	258	285	582	528	852	825
g.	2,0,5	205	250	502	520	×	×
h.	8,4,0	840	804	480	408	×	×
i.	7,1,6	716	761	671	617	176	167
j.	0,3,7	730	703	370	307	×	×

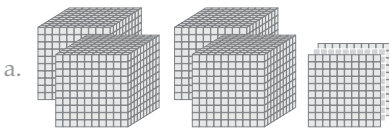
2. Make three-digit numbers and fill in.

	Digits	Smallest number	Greatest number		Digits	Smallest number	Greatest number
a.	7, 0, 5	507	750	h.	3, 4, 0	304	430
b.	8, 2, 5	258	852	i.	8, 6, 7	678	876
c.	5, 4, 1	145	541	j.	4, 2, 7	247	742
d.	9, 1, 3	139	931	k.	0, 5, 3	305	530
e.	6, 5, 0	506	650	l.	6, 8, 7	678	876
f.	5, 2, 8	258	852	m.	9, 3, 5	359	953
g.	0, 7, 8	708	870	n.	4, 6, 5	456	654

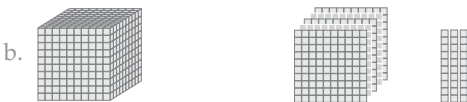
## Chapter 2 Four-Digit Numbers

### EXERCISE 2A

1. Fill in.

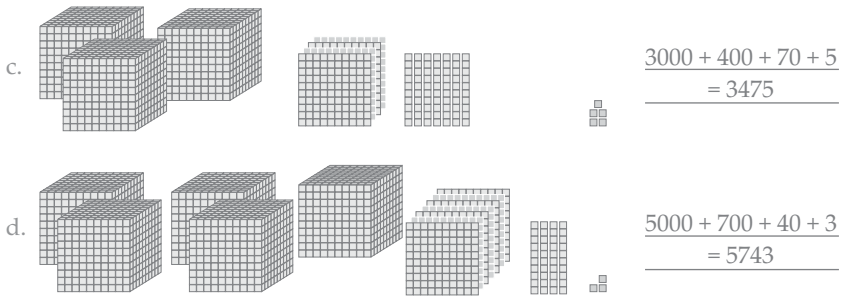


$$\begin{array}{r} 4000 + 300 + 0 + 6 \\ \hline = 4306 \end{array}$$



$$\begin{array}{r} 1000 + 500 + 30 + 8 \\ \hline = 1538 \end{array}$$

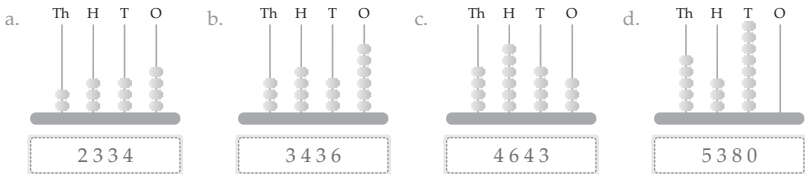




2. Fill in.

- a. =  $4000 + 300 + 40 + 6$  = 4 3 4 6
- b. =  $2000 + 300 + 50 + 2$  = 2 3 5 2
- c. =  $4000 + 200 + 60 + 8$  = 4 2 6 8
- d. =  $5000 + 0 + 70 + 3$  = 5 0 7 3
- e. =  $3000 + 500 + 40 + 0$  = 3 5 4 0
- f. =  $8000 + 400 + 0 + 5$  = 8 4 0 5

3. Write the number shown on the abacus.



4. Write in the short form.

- a.  $3000 + 800 + 60 + 5$  = 3 8 6 5
- b.  $2000 + 400 + 50 + 6$  = 2 4 5 6
- c.  $4000 + 300 + 80 + 9$  = 4 3 8 9
- d.  $1000 + 200 + 0 + 7$  = 1 2 0 7
- e.  $5000 + 300 + 50 + 6$  = 5 3 5 6
- f.  $3000 + 0 + 20 + 2$  = 3 0 2 2

5. Write in the expanded form.

- a. 6 2 0 3 =  $6000 + 200 + 0 + 3$
- b. 8 6 2 3 =  $8000 + 600 + 20 + 3$
- c. 9 6 7 4 =  $9000 + 600 + 70 + 4$
- d. 4 2 0 1 =  $4000 + 200 + 0 + 1$
- e. 6 3 8 2 =  $6000 + 300 + 80 + 2$
- f. 7 1 4 5 =  $7000 + 100 + 40 + 5$

## EXERCISE 2B

1. Write the number names

7826 = seven thousand eight hundred and twenty-six

1563 = one thousand five hundred and sixty-three

4379 = four thousand three hundred and seventy-nine

8037 = eight thousand and thirty-seven  
 6175 = six thousand one hundred and seventy-five  
 7003 = seven thousand and three

2. Write in figures.

- a. One thousand seven hundred =
- b. Six thousand and forty-eight =
- c. Four thousand and seven =
- d. Nine thousand two hundred and fourteen =
- e. Three thousand five hundred and four =
- f. Eight thousand six hundred and ninety-three =

3. Write in numbers that follow.

- a.  →
- b.  →
- c.  →
- d.  →

4. Count backwards and fill in the numbers.

- a.
- b.
- c.
- d.

5. Continue the pattern.

- a.
- b.
- c.
- d.

## EXERCISE 2C

1. Write the predecessor (the number before).

- a.      b.      c.      d.
- e.      f.      g.      h.

2. Write the successor (the number after).

- a.      b.      c.      d.    
e.      f.      g.      h.

3. Write the numbers before and after.

- a.       b.       c.     
d.       e.       f.

4. Write the number between:

- a.       b.       c.       d.     
e.       f.       g.       h.     
i.       j.       k.       l.

### Exercise 2 D

1. Write the place value of each digit.

- a.     (5)        (8)        (4)        (6)      
b.     (4)        (2)        (1)        (5)      
c.     (5)        (2)        (1)        (4)      
d.     (2)        (5)        (1)        (4)      
e.     (3)        (7)        (6)        (8)

2. Fill in.

In 8542, 4 is in the tens place, and 8 is in the thousands place.

In 3867, the digit in the thousands place is 3, and the place value of 6 is 60.

In 4175, the digit in the thousands place is 4, and its place value is 4000.

In 3294, the place value of 2 is 200, that of 3 is 3000 and that of 4 is 40.

In 9036, the place value of 0 is 0, that of 6 is 6 and that of 9 is 9000.

### EXERCISE 2E

1. Put >, < or =

- a.  <     b.  >     c.  <     d.  >   
e.  <     f.  >     g.  =     h.  >   
i.  <     j.  >     k.  <     l.  >

2. Write the smallest number.

- a. 2034 2004 2003 2304 2403 2003  
 b. 8345 2308 1167 886 5741 886  
 c. 5207 2308 1036 6215 4723 1036  
 d. 4512 4215 4251 4521 4152 4152  
 e. 3674 3764 3647 3746 3467 3467

3. Write the greatest number.

- a. 4578 4875 4758 4785 4857 4875  
 b. 1782 876 787 2570 3211 3211  
 c. 8412 8142 8421 8214 8241 8421  
 d. 6367 8539 9655 9711 7636 9711  
 e. 5678 5867 5687 5786 5876 5876

4. Ring (○) the smallest and tick (✓) the Largest.

- a. 4678 (3216) 8217 4514 8612 3261  
 b. 8723 8743 8741 8726 (8710) 8732  
 c. 5473 5437 (5347) 5734 5374 5743  
 d. 7300 7400 7030 7040 7099 (7009)  
 e. (7402) 1422 3327 (1010) 3736 5355  
 f. (351) 2407 4270 6523 725 2648

5. Write in descending order.

- a. 1200 990 2256 4429 1348 3836  
 b. 1100 5100 7100 1000 6100 8100  
 c. 8428 4923 6648 5640 3489 7975  
 d. 7592 9745 9831 8545 9683 7847

- 4429 3836 2256 1348 1200 990  
 8100 7100 6100 5100 1100 1000  
 8428 7975 6648 5640 4923 3489  
 9831 9745 9683 8545 7847 7592

6. Write in ascending order.

- a. 2294 2924 2492 2942 2429 2249  
 b. 4000 1000 400 100 6000 600  
 c. 4622 1401 2278 1378 2274 3355  
 d. 7542 3739 6821 2512 4248 2343

- 2249 2294 2429 2492 2924 2942  
 100 400 600 1000 4000 6000  
 1378 1401 2274 2278 3355 4622  
 2343 2512 3739 4248 6821 7542

### EXERCISE 2 F

Make the greatest and the smallest four-digit numbers with the given digits.

	Digits	Greatest number	Smallest number
1.	2,6,4,4	6442	2446
2.	3,1,7,9	9731	1379
3.	5,3,4,1	5431	1345
4.	8,0,7,2	8720	2078
5.	1,5,2,8	8521	1258
6.	7,9,4,7	9774	4779

	Digits	Greatest number	Smallest number
7.	2,9,3,7	9732	2379
8.	8,4,5,6	8654	4568
9.	5,1,1,9	9511	1159
10.	6,0,9,8	9860	6089
11.	4,0,5,0	5400	4005
12.	3,4,3,3	4333	3334

1. Write the numbers shown by the Roman numerals.

a.	I	V	X	L	C	D	M
	1	5	10	50	100	500	1000

b.	II	III	XX	XXX	CC	CCC
	2	3	20	30	200	300

c.	IV	IX	XIV	XIX	XXIV	XXIX
	4	9	14	19	24	29

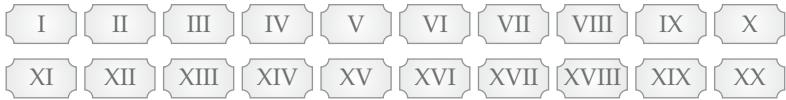
c.	VI	VII	VIII	XI	XII	XIII	XVI	XXI	XXV
	6	7	8	11	12	13	16	21	25

2. Write using Roman numerals.

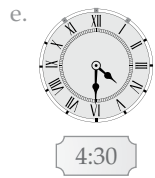
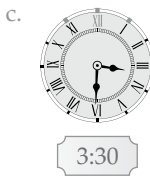
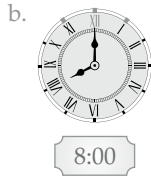
a.	3	4	1	2	9	10	11	15	13	16
	III	IV	I	II	IX	X	XI	XV	XIII	XVI

b.	7	5	8	14	18	19	12	6	17	20
	VII	V	VIII	XIV	XVIII	XIX	XII	VI	XVII	XX

3. Write 1 to 20 using Roman numerals.



4. Write the time.



**PRACTICE SHEET-1**

1. Make the greatest and the smallest three-digit numbers with the given digits.

Digits	a. 7, 2, 5	b. 3, 2, 0	c. 8, 4, 6
Smallest number	2 5 7	2 0 3	4 6 8
Greatest number	7 5 2	3 2 0	8 6 4

2. Write in the expanded form.

a. 5783 5000 + 700 + 80 + 3

b. 7942 7000 + 900 + 40 + 2

c. 6026 6000 + 0 + 20 + 6

d. 8607 8000 + 600 + 0 + 7

3. Write the numbers that follow.

- a.  $2064 \rightarrow 2065 \quad 2066 \quad 2067 \quad 2068 \quad 2069 \quad 2070 \quad 2071$   
 b.  $2636 \rightarrow 2637 \quad 2638 \quad 2639 \quad 2640 \quad 2641 \quad 2642 \quad 2643$   
 c.  $7884 \rightarrow 7885 \quad 7886 \quad 7887 \quad 7888 \quad 7889 \quad 7890 \quad 7891$

4. Put  $>$ ,  $<$  or  $=$ .

- a.  $3867 > 841$     b.  $6706 > 6076$     c.  $5423 < 5768$     d.  $2284 < 3866$

5. Write in descending order.

- a.  $4567 \quad 2140 \quad 5768 \quad 4321 \quad 5867$        $5867 \quad 5768 \quad 4567 \quad 4321 \quad 2140$   
 b.  $8801 \quad 8108 \quad 7911 \quad 7091 \quad 7191$        $8801 \quad 8108 \quad 7911 \quad 7191 \quad 7091$   
 c.  $5621 \quad 5126 \quad 5612 \quad 6521 \quad 6251$        $6521 \quad 6251 \quad 5621 \quad 5612 \quad 5126$

6. Fill in.

- a. In 2019, the place value of 9 is 9, that of 1 is 10 and that of 2 is 2000.  
 b. In 3742, the place value of 3 is 3000, that of 4 is 40 and that of 7 is 700.  
 c. Write the numbers shown by the numerals: XI = 11 IX = 9 VI = 6.  
 d. Write in Roman numerals: 5 = V 8 = VIII 14 = XIV.

## Chapter 4 Simple Addition and Subtraction

### EXERCISE 4A

Add.

1.  $2+5=7$     2.  $5+4=9$     3.  $7+6=13$     4.  $8+8=16$   
 5.  $2+4+3=9$     6.  $3+1+6=10$     7.  $2+3+4=9$     8.  $2+8+1=11$   
 9.  $7+8+9=24$     10.  $8+1+4=13$     11.  $1+6+3=10$     12.  $7+4+0=11$   
 13.  $2+3+4+5=14$     14.  $3+5+5+3=16$     15.  $4+3+2+0=9$     16.  $4+4+4+4=16$   
 17.  $4+2+1+2=9$     18.  $7+2+3+5=17$     19.  $6+7+4+5=22$     20.  $7+8+1+4=20$

### EXERCISE 4 B

1. Expand and add.

- a.  $34 + 63$   
 $\begin{array}{l} \boxed{30+4} + \boxed{60+3} \\ = \boxed{30+60} + \boxed{4+3} \\ = 90 + 7 = 97 \end{array}$
- b.  $432 + 56$   
 $\begin{array}{l} \boxed{400+30+2} + \boxed{50+6} \\ = \boxed{400} + \boxed{30+50} + \boxed{2+6} \\ = 400 + 80 + 8 = 488 \end{array}$
- c.  $570 + 27$   
 $\begin{array}{l} \boxed{500+70+0} + \boxed{20+7} \\ = \boxed{500} + \boxed{70+20} + \boxed{0+7} \\ = 500 + 90 + 7 = 597 \end{array}$

d. 
$$\begin{array}{r} 261 + 125 \\ \hline [200+60+1] + [100+20+5] \\ \hline = [200+100] + [60+20] + [1+5] \\ \hline = 300 + 80 + 6 = 386 \end{array}$$

e. 
$$\begin{array}{r} 635 + 222 \\ \hline [600+30+5] + [200+20+2] \\ \hline = [600+200] + [30+20] + [5+2] \\ \hline = 800 + 50 + 7 = 857 \end{array}$$

f. 
$$\begin{array}{r} 306 + 592 \\ \hline [300+0+6] + [500+90+2] \\ \hline = [300+500] + [0+90] + [6+2] \\ \hline = 800 + 90 + 8 = 898 \end{array}$$

2. Add.

a.  $22 + 36 = 58$     b.  $42 + 23 = 65$     c.  $62 + 26 = 88$     d.  $158 + 20 = 178$

e.  $136 + 12 = 148$     f.  $15 + 431 = 446$     g.  $232 + 132 = 364$     h.  $103 + 473 = 576$

i.  $176 + 600 = 776$     j.  $576 + 212 = 788$     k.  $431 + 237 = 668$     l.  $615 + 143 = 758$

### EXERCISE 4 C

1. Add.

a. 
$$\begin{array}{r} \text{H T O} \\ 14 \\ + 5 \\ \hline 19 \end{array}$$

b. 
$$\begin{array}{r} \text{H T O} \\ 2 \\ + 284 \\ \hline 286 \end{array}$$

c. 
$$\begin{array}{r} \text{H T O} \\ 36 \\ + 42 \\ \hline 78 \end{array}$$

d. 
$$\begin{array}{r} \text{H T O} \\ 44 \\ + 32 \\ \hline 76 \end{array}$$

e. 
$$\begin{array}{r} \text{H T O} \\ 556 \\ + 33 \\ \hline 589 \end{array}$$

2. Add.

a. 
$$\begin{array}{r} \text{T O} \\ 42 \\ + 15 \\ + 21 \\ \hline 78 \end{array}$$

b. 
$$\begin{array}{r} \text{T O} \\ 21 \\ + 11 \\ + 43 \\ \hline 75 \end{array}$$

c. 
$$\begin{array}{r} \text{T O} \\ 32 \\ + 13 \\ + 23 \\ \hline 68 \end{array}$$

d. 
$$\begin{array}{r} \text{T O} \\ 10 \\ + 34 \\ + 30 \\ \hline 74 \end{array}$$

e. 
$$\begin{array}{r} \text{T O} \\ 15 \\ + 40 \\ + 31 \\ \hline 86 \end{array}$$

3. Add.

a. 
$$\begin{array}{r} \text{H T O} \\ 234 \\ + 120 \\ + 321 \\ \hline 675 \end{array}$$

b. 
$$\begin{array}{r} \text{H T O} \\ 233 \\ + 431 \\ + 311 \\ \hline 775 \end{array}$$

c. 
$$\begin{array}{r} \text{H T O} \\ 44 \\ + 110 \\ + 543 \\ \hline 697 \end{array}$$

d. 
$$\begin{array}{r} \text{H T O} \\ 2 \\ + 124 \\ + 853 \\ \hline 879 \end{array}$$

e. 
$$\begin{array}{r} \text{H T O} \\ 705 \\ + 111 \\ + 382 \\ \hline 798 \end{array}$$

4. Add.

a. 
$$\begin{array}{r} \text{T O} \\ 44 \\ + 13 \\ + 22 \\ + 21 \\ \hline 10 \end{array}$$

b. 
$$\begin{array}{r} \text{T O} \\ 47 \\ + 16 \\ + 25 \\ + 24 \\ \hline 22 \end{array}$$

c. 
$$\begin{array}{r} \text{T O} \\ 21 \\ + 11 \\ + 13 \\ + 12 \\ \hline 37 \end{array}$$

d. 
$$\begin{array}{r} \text{T O} \\ 24 \\ + 13 \\ + 21 \\ + 50 \\ \hline 78 \end{array}$$

e. 
$$\begin{array}{r} \text{T O} \\ 12 \\ + 45 \\ + 21 \\ + 61 \\ \hline 89 \end{array}$$

f. 
$$\begin{array}{r} \text{T O} \\ 11 \\ + 42 \\ + 41 \\ + 33 \\ \hline 77 \end{array}$$

5. Add.

a. 
$$\begin{array}{r} \text{H T O} \\ 2 \\ + 34 \\ + 340 \\ + 410 \\ \hline 786 \end{array}$$

b. 
$$\begin{array}{r} \text{H T O} \\ 3 \\ + 12 \\ + 560 \\ + 222 \\ \hline 797 \end{array}$$

c. 
$$\begin{array}{r} \text{H T O} \\ 253 \\ + 2 \\ + 34 \\ + 400 \\ \hline 689 \end{array}$$

d. 
$$\begin{array}{r} \text{H T O} \\ 321 \\ + 442 \\ + 100 \\ + 113 \\ \hline 976 \end{array}$$

e. 
$$\begin{array}{r} \text{H T O} \\ 122 \\ + 123 \\ + 222 \\ + 531 \\ \hline 998 \end{array}$$

### EXERCISE 4 D

1. Add.

$$\begin{array}{r} \text{Th H T O} \\ 2534 \\ + 4431 \\ \hline 2965 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 5467 \\ + 4131 \\ \hline 5598 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 2023 \\ + 1564 \\ \hline 3587 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 1255 \\ + 5423 \\ \hline 6678 \end{array}$$

2. Add.

$$\begin{array}{r} \text{Th H T O} \\ 4123 \\ + 2620 \\ + 1045 \\ \hline 7788 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 6347 \\ + 1320 \\ + 1212 \\ \hline 7879 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 4345 \\ + 2343 \\ + 1310 \\ \hline 6998 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8031 \\ + 2522 \\ + 1024 \\ \hline 8577 \end{array}$$

3. Add.

$$\begin{array}{r} \text{Th H T O} \\ 4310 \\ + 1224 \\ + 1021 \\ + 2312 \\ \hline 8867 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 8223 \\ + 1431 \\ + 1022 \\ + 2313 \\ \hline 8679 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 4221 \\ + 3022 \\ + 1113 \\ + 2642 \\ \hline 8998 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ 3121 \\ + 4530 \\ + 1314 \\ + 1023 \\ \hline 9988 \end{array}$$

### Word Problems

2.

$$\begin{array}{r} 573 \\ + 425 \\ \hline 998 \end{array}$$

Total 998 tickets sold.

3.

$$\begin{array}{r} 130 \\ + 111 \\ + 55 \\ \hline 296 \end{array}$$

The shop have 296 dolls.

4.

$$\begin{array}{r} 8 \\ + 10 \\ + 20 \\ \hline 38 \end{array}$$

Mother is 38 years old.

5. Add.

$$\begin{array}{r} 300 \\ + 250 \\ + 135 \\ \hline 685 \end{array}$$

Mr. Sethi bought total 685 bulbs

$$\begin{array}{r} 223 \\ + 165 \\ \hline 388 \end{array}$$

The boys planted 388 saplings

$$\begin{array}{r} 2435 \\ + 2160 \\ \hline 4595 \end{array}$$

4595 packets of milk

$$\begin{array}{r} 1210 \\ + 1140 \\ + 1535 \\ \hline 3885 \end{array}$$

Florist bought total 3885 roses

### EXERCISE 4E

Subtract.

$$\begin{array}{r} \text{H T O} \\ 76 \\ - 44 \\ \hline 32 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 78 \\ - 33 \\ \hline 45 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 89 \\ - 56 \\ \hline 33 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 183 \\ - 262 \\ \hline 121 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 258 \\ - 57 \\ \hline 201 \end{array}$$



$$\begin{array}{r} \text{H T O} \\ 6. \quad \begin{array}{r} 576 \\ - 35 \\ \hline 541 \end{array} \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 7. \quad \begin{array}{r} 698 \\ - 72 \\ \hline 626 \end{array} \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 8. \quad \begin{array}{r} 543 \\ - 432 \\ \hline 111 \end{array} \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 9. \quad \begin{array}{r} 468 \\ - 413 \\ \hline 055 \end{array} \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 10. \quad \begin{array}{r} 746 \\ - 643 \\ \hline 103 \end{array} \end{array}$$

$$\begin{array}{r} 11. \quad \begin{array}{r} 768 \\ - 544 \\ \hline 224 \end{array} \end{array}$$

$$\begin{array}{r} 12. \quad \begin{array}{r} 865 \\ - 634 \\ \hline 231 \end{array} \end{array}$$

$$\begin{array}{r} 13. \quad \begin{array}{r} 748 \\ - 513 \\ \hline 235 \end{array} \end{array}$$

$$\begin{array}{r} 14. \quad \begin{array}{r} 899 \\ - 607 \\ \hline 292 \end{array} \end{array}$$

$$\begin{array}{r} 15. \quad \begin{array}{r} 757 \\ - 212 \\ \hline 545 \end{array} \end{array}$$

Subtract.

$$\begin{array}{r} 1. \quad \begin{array}{r} 1754 \\ - 234 \\ \hline 1520 \end{array} \end{array}$$

$$\begin{array}{r} 2. \quad \begin{array}{r} 2938 \\ - 406 \\ \hline 2532 \end{array} \end{array}$$

$$\begin{array}{r} 3. \quad \begin{array}{r} 6587 \\ - 372 \\ \hline 6215 \end{array} \end{array}$$

$$\begin{array}{r} 4. \quad \begin{array}{r} 3629 \\ - 2612 \\ \hline 1017 \end{array} \end{array}$$

$$\begin{array}{r} 5. \quad \begin{array}{r} 3987 \\ - 3332 \\ \hline 0655 \end{array} \end{array}$$

$$\begin{array}{r} 6. \quad \begin{array}{r} 4576 \\ - 2123 \\ \hline 2453 \end{array} \end{array}$$

$$\begin{array}{r} 7. \quad \begin{array}{r} 6821 \\ - 5621 \\ \hline 1200 \end{array} \end{array}$$

$$\begin{array}{r} 8. \quad \begin{array}{r} 8764 \\ - 6123 \\ \hline 2641 \end{array} \end{array}$$

$$\begin{array}{r} 9. \quad \begin{array}{r} 5386 \\ - 4382 \\ \hline 1004 \end{array} \end{array}$$

$$\begin{array}{r} 10. \quad \begin{array}{r} 6845 \\ - 3532 \\ \hline 3313 \end{array} \end{array}$$

$$\begin{array}{r} 11. \quad \begin{array}{r} 6889 \\ - 5327 \\ \hline 1562 \end{array} \end{array}$$

$$\begin{array}{r} 12. \quad \begin{array}{r} 4125 \\ - 3113 \\ \hline 1012 \end{array} \end{array}$$

$$\begin{array}{r} 13. \quad \begin{array}{r} 2486 \\ - 1243 \\ \hline 1243 \end{array} \end{array}$$

$$\begin{array}{r} 14. \quad \begin{array}{r} 8888 \\ - 7654 \\ \hline 1234 \end{array} \end{array}$$

$$\begin{array}{r} 15. \quad \begin{array}{r} 5897 \\ - 2363 \\ \hline 3534 \end{array} \end{array}$$

### Word Problems

$$\begin{array}{r} 2. \quad \begin{array}{r} 357 \\ - 123 \\ \hline 234 \end{array} \end{array}$$

Sri Lanka score  
234 runs

$$\begin{array}{r} 3. \quad \begin{array}{r} 46 \\ - 14 \\ \hline 32 \end{array} \end{array}$$

32 children took  
ride on Monday.

$$\begin{array}{r} 4. \quad \begin{array}{r} 59 \\ - 32 \\ \hline 27 \end{array} \end{array}$$

The difference is  
27 years.

$$\begin{array}{r} 5. \quad (a) \quad \begin{array}{r} 98 \\ - 83 \\ \hline 15 \end{array} \end{array}$$

98 is greater  
than 83 by 15.

$$\begin{array}{r} (b) \quad \begin{array}{r} 385 \\ - 125 \\ \hline 260 \end{array} \end{array}$$

125 is less than  
385 by 260.

### MENTAL MATHS

Fill in.

$$\begin{array}{r} 1. \quad \begin{array}{r} 513 \\ + 365 \\ \hline 878 \end{array} \end{array}$$

$$\begin{array}{r} 2. \quad \begin{array}{r} 652 \\ + 325 \\ \hline 977 \end{array} \end{array}$$

$$\begin{array}{r} 3. \quad \begin{array}{r} 361 \\ + 231 \\ \hline 592 \end{array} \end{array}$$

$$\begin{array}{r} 4. \quad \begin{array}{r} 641 \\ + 132 \\ \hline 773 \end{array} \end{array}$$

$$\begin{array}{r} 5. \quad \begin{array}{r} 734 \\ + 265 \\ \hline 999 \end{array} \end{array}$$

$$\begin{array}{r} 6. \quad \begin{array}{r} 340 \\ + 520 \\ \hline 860 \end{array} \end{array}$$

**EXERCISE 5A**

Add.

1. a. 
$$\begin{array}{r} \overset{1}{48} \\ + 27 \\ \hline 75 \end{array}$$
 b. 
$$\begin{array}{r} \overset{1}{45} \\ + 37 \\ \hline 82 \end{array}$$
 c. 
$$\begin{array}{r} \overset{1}{39} \\ + 26 \\ \hline 65 \end{array}$$
 d. 
$$\begin{array}{r} \overset{1}{439} \\ + 22 \\ \hline 461 \end{array}$$
 e. 
$$\begin{array}{r} \overset{1}{247} \\ + 28 \\ \hline 275 \end{array}$$

2. a. 
$$\begin{array}{r} \overset{1}{6218} \\ + 649 \\ \hline 6867 \end{array}$$
 b. 
$$\begin{array}{r} \overset{1}{3437} \\ + 343 \\ \hline 3780 \end{array}$$
 c. 
$$\begin{array}{r} \overset{1}{2507} \\ + 268 \\ \hline 2775 \end{array}$$
 d. 
$$\begin{array}{r} \overset{1}{5216} \\ + 527 \\ \hline 5743 \end{array}$$

3. a. 
$$\begin{array}{r} \overset{2}{45} \\ + 27 \\ + 19 \\ \hline 91 \end{array}$$
 b. 
$$\begin{array}{r} \overset{1}{17} \\ + 14 \\ + 15 \\ \hline 46 \end{array}$$
 c. 
$$\begin{array}{r} \overset{1}{35} \\ + 25 \\ + 15 \\ \hline 75 \end{array}$$
 d. 
$$\begin{array}{r} \overset{2}{37} \\ + 26 \\ + 19 \\ \hline 82 \end{array}$$
 e. 
$$\begin{array}{r} \overset{2}{48} \\ + 27 \\ + 17 \\ \hline 92 \end{array}$$

4. a. 
$$\begin{array}{r} \overset{1}{312} \\ + 146 \\ + 114 \\ \hline 472 \end{array}$$
 b. 
$$\begin{array}{r} \overset{1}{335} \\ + 208 \\ + 122 \\ \hline 665 \end{array}$$
 c. 
$$\begin{array}{r} \overset{1}{423} \\ + 316 \\ + 156 \\ \hline 895 \end{array}$$
 d. 
$$\begin{array}{r} \overset{2}{538} \\ + 217 \\ + 125 \\ \hline 880 \end{array}$$
 e. 
$$\begin{array}{r} \overset{2}{416} \\ + 327 \\ + 239 \\ \hline 982 \end{array}$$

5. a. 
$$\begin{array}{r} \overset{1}{1323} \\ + 1222 \\ + 4135 \\ \hline 6680 \end{array}$$
 b. 
$$\begin{array}{r} \overset{1}{3358} \\ + 2402 \\ + 2114 \\ \hline 7874 \end{array}$$
 c. 
$$\begin{array}{r} \overset{1}{4526} \\ + 3106 \\ + 1336 \\ \hline 8968 \end{array}$$
 d. 
$$\begin{array}{r} \overset{1}{3420} \\ + 4127 \\ + 335 \\ \hline 7882 \end{array}$$

6. a. 
$$\begin{array}{r} \overset{1}{1316} \\ + 1213 \\ + 1135 \\ + 1021 \\ \hline 4685 \end{array}$$
 b. 
$$\begin{array}{r} \overset{1}{5414} \\ + 2124 \\ + 1224 \\ + 1214 \\ \hline 9976 \end{array}$$
 c. 
$$\begin{array}{r} \overset{2}{4217} \\ + 2037 \\ + 1402 \\ + 1127 \\ \hline 8783 \end{array}$$
 d. 
$$\begin{array}{r} \overset{2}{6144} \\ + 1306 \\ + 1207 \\ + 1105 \\ \hline 9762 \end{array}$$

**EXERCISE 5B**

Do these sums.

1. a. 
$$\begin{array}{r} 73 \\ + 54 \\ \hline 127 \end{array}$$
 b. 
$$\begin{array}{r} 85 \\ + 22 \\ \hline 107 \end{array}$$
 c. 
$$\begin{array}{r} 76 \\ + 53 \\ \hline 129 \end{array}$$
 d. 
$$\begin{array}{r} \overset{1}{98} \\ + 43 \\ \hline 141 \end{array}$$
 e. 
$$\begin{array}{r} \overset{11}{336} \\ + 66 \\ \hline 402 \end{array}$$

2. a. 
$$\begin{array}{r} \overset{1}{6364} \\ + 2654 \\ \hline 6418 \end{array}$$
 b. 
$$\begin{array}{r} \overset{11}{4662} \\ + 138 \\ \hline 4800 \end{array}$$
 c. 
$$\begin{array}{r} \overset{1}{5593} \\ + 2141 \\ \hline 7734 \end{array}$$
 d. 
$$\begin{array}{r} \overset{11}{7346} \\ + 1289 \\ \hline 8635 \end{array}$$

3. a. 
$$\begin{array}{r} 73 \\ + 54 \\ + 2 \\ \hline 129 \end{array}$$
 b. 
$$\begin{array}{r} 43 \\ + 51 \\ + 62 \\ \hline 156 \end{array}$$
 c. 
$$\begin{array}{r} 93 \\ + 61 \\ + 52 \\ \hline 206 \end{array}$$
 d. 
$$\begin{array}{r} 1 \\ 63 \\ + 32 \\ + 27 \\ \hline 122 \end{array}$$
 e. 
$$\begin{array}{r} 11 \\ 174 \\ + 63 \\ + 54 \\ \hline 291 \end{array}$$

4. a. 
$$\begin{array}{r} 1 \\ 3154 \\ + 365 \\ + 20 \\ \hline 3539 \end{array}$$
 b. 
$$\begin{array}{r} 11 \\ 2135 \\ + 1374 \\ + 62 \\ \hline 3571 \end{array}$$
 c. 
$$\begin{array}{r} 21 \\ 7086 \\ + 1471 \\ + 359 \\ \hline 8916 \end{array}$$
 d. 
$$\begin{array}{r} 1 \\ 6590 \\ + 2114 \\ + 1085 \\ \hline 9789 \end{array}$$

5. a. 
$$\begin{array}{r} 1 \\ 1451 \\ + 242 \\ + 31 \\ + 3 \\ \hline 1727 \end{array}$$
 b. 
$$\begin{array}{r} 21 \\ 4264 \\ + 1323 \\ + 172 \\ + 78 \\ \hline 5837 \end{array}$$
 c. 
$$\begin{array}{r} 22 \\ 2347 \\ + 2173 \\ + 1256 \\ + 1084 \\ \hline 6860 \end{array}$$
 d. 
$$\begin{array}{r} 22 \\ 3399 \\ + 2252 \\ + 1156 \\ + 1034 \\ \hline 7841 \end{array}$$

### EXERCISE 5C

Add.

1. a. 
$$\begin{array}{r} 672 \\ + 524 \\ \hline 1196 \end{array}$$
 b. 
$$\begin{array}{r} 1 \\ 835 \\ + 208 \\ \hline 1043 \end{array}$$
 c. 
$$\begin{array}{r} 1 \\ 565 \\ + 492 \\ \hline 1057 \end{array}$$
 d. 
$$\begin{array}{r} 11 \\ 987 \\ + 236 \\ \hline 1223 \end{array}$$
 e. 
$$\begin{array}{r} 11 \\ 869 \\ + 747 \\ \hline 1616 \end{array}$$

2. a. 
$$\begin{array}{r} 1 \\ 1724 \\ + 453 \\ \hline 2177 \end{array}$$
 b. 
$$\begin{array}{r} 11 \\ 2471 \\ + 578 \\ \hline 3049 \end{array}$$
 c. 
$$\begin{array}{r} 111 \\ 3589 \\ + 512 \\ \hline 4101 \end{array}$$
 d. 
$$\begin{array}{r} 111 \\ 4658 \\ + 683 \\ \hline 5341 \end{array}$$

e. 
$$\begin{array}{r} 1 \\ 2556 \\ + 1643 \\ \hline 4199 \end{array}$$
 f. 
$$\begin{array}{r} 11 \\ 3979 \\ + 2440 \\ \hline 6419 \end{array}$$
 g. 
$$\begin{array}{r} 111 \\ 4268 \\ + 3732 \\ \hline 8000 \end{array}$$
 h. 
$$\begin{array}{r} 111 \\ 5456 \\ + 2666 \\ \hline 8122 \end{array}$$

3. a. 
$$\begin{array}{r} 612 \\ + 564 \\ + 403 \\ \hline 1579 \end{array}$$
 b. 
$$\begin{array}{r} 1 \\ 733 \\ + 525 \\ + 234 \\ \hline 1492 \end{array}$$
 c. 
$$\begin{array}{r} 11 \\ 856 \\ + 421 \\ + 178 \\ \hline 1455 \end{array}$$
 d. 
$$\begin{array}{r} 12 \\ 812 \\ + 789 \\ + 439 \\ \hline 2040 \end{array}$$
 e. 
$$\begin{array}{r} 21 \\ 965 \\ + 863 \\ + 673 \\ \hline 2501 \end{array}$$

4. a. 
$$\begin{array}{r} 1 \\ 4523 \\ + 2414 \\ + 1312 \\ \hline 8249 \end{array}$$
 b. 
$$\begin{array}{r} 111 \\ 2623 \\ + 2560 \\ + 2379 \\ \hline 7562 \end{array}$$
 c. 
$$\begin{array}{r} 221 \\ 2786 \\ + 2986 \\ + 3486 \\ \hline 9258 \end{array}$$
 d. 
$$\begin{array}{r} 222 \\ 3998 \\ + 2635 \\ + 1567 \\ \hline 8200 \end{array}$$

5. a. 
$$\begin{array}{r} 611 \\ + 501 \\ + 332 \\ + 255 \\ \hline 1499 \end{array}$$
 b. 
$$\begin{array}{r} 11 \\ 745 \\ + 352 \\ + 163 \\ + 114 \\ \hline 1374 \end{array}$$
 c. 
$$\begin{array}{r} 11 \\ 543 \\ + 453 \\ + 323 \\ + 233 \\ \hline 1552 \end{array}$$
 d. 
$$\begin{array}{r} 12 \\ 847 \\ + 746 \\ + 445 \\ + 243 \\ \hline 2281 \end{array}$$
 e. 
$$\begin{array}{r} 21 \\ 714 \\ + 643 \\ + 485 \\ + 385 \\ \hline 2227 \end{array}$$

6. a. 
$$\begin{array}{r} 1 \\ 5620 \\ + 3423 \\ + 13 \\ + 2 \\ \hline 9058 \end{array}$$
 b. 
$$\begin{array}{r} 111 \\ 2513 \\ + 2334 \\ + 2172 \\ + 1433 \\ \hline 8452 \end{array}$$
 c. 
$$\begin{array}{r} 211 \\ 3536 \\ + 2524 \\ + 1541 \\ + 1532 \\ \hline 9133 \end{array}$$
 d. 
$$\begin{array}{r} 222 \\ 2667 \\ + 2556 \\ + 1643 \\ + 1435 \\ \hline 8301 \end{array}$$

### Word Problems

1. 
$$\begin{array}{r} 11 \\ 378 \\ + 196 \\ \hline 574 \end{array}$$

574 fairy-tale books

2. 
$$\begin{array}{r} 111 \\ 3555 \\ + 3475 \\ \hline 7030 \end{array}$$

7030 DVDs

3. 
$$\begin{array}{r} 1 \\ 85 \\ + 87 \\ + 92 \\ \hline 264 \end{array}$$

264 marks

4. 
$$\begin{array}{r} 1 \\ 125 \\ + 125 \\ + 125 \\ \hline 375 \end{array}$$

375 bouls

## Chapter 6 Subtraction with Borrowing

### EXERCISE 6A

1. a. 
$$\begin{array}{r} 214 \\ 34 \\ - 6 \\ \hline 28 \end{array}$$
 b. 
$$\begin{array}{r} 416 \\ 56 \\ - 8 \\ \hline 48 \end{array}$$
 c. 
$$\begin{array}{r} 315 \\ 45 \\ - 6 \\ \hline 19 \end{array}$$
 d. 
$$\begin{array}{r} 512 \\ 62 \\ - 38 \\ \hline 24 \end{array}$$
 e. 
$$\begin{array}{r} 310 \\ 40 \\ - 27 \\ \hline 13 \end{array}$$

2. a. 
$$\begin{array}{r} 124 \\ - 14 \\ \hline 110 \end{array}$$
 b. 
$$\begin{array}{r} 514 \\ 364 \\ - 47 \\ \hline 317 \end{array}$$
 c. 
$$\begin{array}{r} 115 \\ 325 \\ - 118 \\ \hline 207 \end{array}$$
 d. 
$$\begin{array}{r} 515 \\ 465 \\ - 236 \\ \hline 229 \end{array}$$
 e. 
$$\begin{array}{r} 510 \\ 460 \\ - 425 \\ \hline 035 \end{array}$$

3. a. 
$$\begin{array}{r} 514 \\ 1564 \\ - 327 \\ \hline 1237 \end{array}$$
 b. 
$$\begin{array}{r} 410 \\ 2650 \\ - 348 \\ \hline 2302 \end{array}$$
 c. 
$$\begin{array}{r} 411 \\ 2351 \\ - 235 \\ \hline 2116 \end{array}$$
 d. 
$$\begin{array}{r} 012 \\ 8212 \\ - 7204 \\ \hline 1008 \end{array}$$

### EXERCISE 6B

Subtract.

1. a. 
$$\begin{array}{r} 513 \\ 639 \\ - 47 \\ \hline 592 \end{array}$$
 b. 
$$\begin{array}{r} 115 \\ 257 \\ - 67 \\ \hline 190 \end{array}$$
 c. 
$$\begin{array}{r} 410 \\ 508 \\ - 34 \\ \hline 474 \end{array}$$
 d. 
$$\begin{array}{r} 513 \\ 639 \\ - 397 \\ \hline 242 \end{array}$$
 e. 
$$\begin{array}{r} 13 \\ 6315 \\ 745 \\ - 579 \\ \hline 166 \end{array}$$

2. a. 
$$\begin{array}{r} \phantom{0}^3 \phantom{0}^{13} \\ 5439 \\ - \phantom{0}47 \\ \hline 5392 \end{array}$$
 b. 
$$\begin{array}{r} \phantom{0}^4 \phantom{0}^7 \phantom{0}^{16} \\ 1586 \\ - \phantom{0}187 \\ \hline 1399 \end{array}$$
 c. 
$$\begin{array}{r} \phantom{0}^5 \phantom{0}^{12} \\ 2628 \\ - \phantom{0}1338 \\ \hline 1290 \end{array}$$
 d. 
$$\begin{array}{r} \phantom{0}^7 \phantom{0}^0 \phantom{0}^{12} \\ 4812 \\ - \phantom{0}1674 \\ \hline 3138 \end{array}$$

### EXERCISE 6C

Subtract.

1. a. 
$$\begin{array}{r} \phantom{0}^5 \phantom{0}^{14} \\ 6456 \\ - \phantom{0}734 \\ \hline 5722 \end{array}$$
 b. 
$$\begin{array}{r} \phantom{0}^2 \phantom{0}^2 \phantom{0}^{14} \\ 3348 \\ - \phantom{0}687 \\ \hline 2661 \end{array}$$
 c. 
$$\begin{array}{r} \phantom{0}^3 \phantom{0}^{16} \\ 4649 \\ - \phantom{0}2732 \\ \hline 1917 \end{array}$$
 d. 
$$\begin{array}{r} \phantom{0}^7 \phantom{0}^6 \phantom{0}^{15} \\ 8756 \\ - \phantom{0}4966 \\ \hline 3790 \end{array}$$

e. 
$$\begin{array}{r} \phantom{0}^1 \phantom{0}^7 \\ 3867 \\ - \phantom{0}2973 \\ \hline 0894 \end{array}$$
 f. 
$$\begin{array}{r} \phantom{0}^3 \phantom{0}^2 \phantom{0}^4 \phantom{0}^{11} \\ 4351 \\ - \phantom{0}2485 \\ \hline 1866 \end{array}$$
 g. 
$$\begin{array}{r} \phantom{0}^{10} \phantom{0}^{11} \\ 2014 \\ 3124 \\ - \phantom{0}1636 \\ \hline 1488 \end{array}$$
 h. 
$$\begin{array}{r} \phantom{0}^4 \phantom{0}^1 \phantom{0}^{13} \\ 7523 \\ - \phantom{0}4375 \\ \hline 3148 \end{array}$$

3. Do these sums in your notebook.

a. 
$$\begin{array}{r} \phantom{0}^1 \phantom{0}^{16} \\ 2697 \\ - \phantom{0}766 \\ \hline 1931 \end{array}$$
 b. 
$$\begin{array}{r} \phantom{0}^1 \phantom{0}^7 \phantom{0}^{11} \\ 2715 \\ 3825 \\ - \phantom{0}957 \\ \hline 2868 \end{array}$$
 c. 
$$\begin{array}{r} \phantom{0}^4 \phantom{0}^3 \phantom{0}^{12} \\ 5429 \\ - \phantom{0}3953 \\ \hline 1476 \end{array}$$
 d. 
$$\begin{array}{r} \phantom{0}^7 \phantom{0}^2 \phantom{0}^3 \phantom{0}^{16} \\ 8346 \\ - \phantom{0}5769 \\ \hline 2577 \end{array}$$
 e. 
$$\begin{array}{r} \phantom{0}^8 \phantom{0}^1 \phantom{0}^{15} \\ 9225 \\ - \phantom{0}8758 \\ \hline 0467 \end{array}$$

### Word Problems

#### EXERCISE 6D

1. 
$$\begin{array}{r} \phantom{0}^6 \phantom{0}^{11} \\ 71 \\ - \phantom{0}38 \\ \hline 33 \end{array}$$
 33 years

2. 
$$\begin{array}{r} \phantom{0}^3 \phantom{0}^{15} \\ 45 \\ - \phantom{0}28 \\ \hline 17 \end{array}$$
 17 pugs

3. 
$$\begin{array}{r} \phantom{0}^5 \phantom{0}^{13} \phantom{0}^8 \phantom{0}^{12} \\ 6392 \\ - \phantom{0}2587 \\ \hline 3805 \end{array}$$
 3805 eggs

4. 
$$\begin{array}{r} \phantom{0}^7 \phantom{0}^1 \phantom{0}^{15} \\ 825 \\ - \phantom{0}179 \\ \hline 646 \end{array}$$
 646 ice-cream cups

#### EXERCISE 6E

3. 
$$\begin{array}{r} \phantom{0}^1 \phantom{0}^1 \\ 2275 \\ + \phantom{0}883 \\ \hline 3158 \end{array}$$
 995 tourists were there in Rajasthan

4. 
$$\begin{array}{r} \phantom{0}^1 \\ 25 \\ + \phantom{0}7 \\ \hline 32 \end{array}$$
 318 elephants were left in the park

5. (a) 
$$\begin{array}{r} \phantom{0}^4 \phantom{0}^{14} \\ 54 \\ - \phantom{0}25 \\ \hline 29 \end{array}$$
 Vipin have 53 colour pencil now.

(b) 
$$\begin{array}{r} \phantom{0}^1 \\ 301 \\ + \phantom{0}259 \\ \hline 560 \end{array}$$
 On Monday sell more.

(c)

$$\begin{array}{r} \overset{1}{3} \overset{1}{4} \overset{1}{5} \overset{1}{7} \\ + 2962 \\ \hline 6419 \end{array}$$

$$\begin{array}{r} \overset{3}{7} \overset{16}{9} \overset{4}{4} \overset{6}{6} \\ - 6419 \\ \hline 1527 \end{array}$$

There are 1527 children  
in the town.

(d)

$$\begin{array}{r} \overset{1}{3} \overset{1}{5} \overset{1}{6} \overset{1}{8} \\ + 3983 \\ \hline 7551 \end{array}$$

$$\begin{array}{r} \overset{6}{9} \overset{13}{7} \overset{3}{3} \overset{5}{5} \\ - 7551 \\ \hline 2184 \end{array}$$

Sonu scored 2184 points  
in the third game.

### PRACTICE SHEET-2

1. Fill in.

- The expanded form of 8672 is 8000 + 600 + 70 + 2.
- The greatest three-digit number formed with 7, 5 and 2 is 752.
- The smallest three-digit number formed with 6, 5 and 0 is 506.
- The number name of 7604 is seven thousands six hundred and four.
- Six thousands and fifty in figures is 6050.
- In 8341, the place value of 8 is 8000, that of 3 is 300 and that of 4 is 40.
- In 165, the place value of 6 is 60, that of 1 is 100 and that of 5 is 5.
- Write the numbers shown by the numerals: V = 5 VIII = 8 XIX = 19.

Do these sums.

2. a.

$$\begin{array}{r} \overset{1}{4} \overset{1}{3} \overset{1}{7} \overset{6}{6} \\ + 3167 \\ \hline 7543 \end{array}$$

b.

$$\begin{array}{r} \overset{1}{4} \overset{1}{5} \overset{1}{3} \overset{9}{9} \\ + 3574 \\ \hline 8113 \end{array}$$

c.

$$\begin{array}{r} \overset{13}{8} \overset{3}{9} \overset{18}{4} \overset{8}{8} \\ - 3559 \\ \hline 5389 \end{array}$$

d.

$$\begin{array}{r} \overset{11}{4} \overset{10}{1} \overset{14}{0} \overset{14}{4} \\ - 2687 \\ \hline 2527 \end{array}$$

3. a.

$$\begin{array}{r} \overset{1}{3} \overset{1}{5} \overset{1}{1} \\ + 474 \\ + 69 \\ \hline 894 \end{array}$$

b.

$$\begin{array}{r} \overset{2}{2} \overset{7}{7} \\ + 36 \\ + 54 \\ + 63 \\ \hline 180 \end{array}$$

c.

$$\begin{array}{r} \overset{1}{2} \overset{4}{4} \overset{6}{6} \\ + 361 \\ + 472 \\ \hline 1079 \end{array}$$

d.

$$\begin{array}{r} \overset{1}{4} \overset{1}{8} \overset{1}{3} \overset{9}{9} \\ + 2152 \\ + 37 \\ \hline 7028 \end{array}$$

4. a.

$$\begin{array}{r} \overset{1}{6} \overset{5}{5} \overset{6}{6} \\ + 263 \\ \hline 919 \end{array}$$

$$\begin{array}{r} \overset{8}{9} \overset{11}{1} \overset{9}{9} \\ - 37 \\ \hline 882 \end{array}$$

b.

$$\begin{array}{r} \overset{9}{9} \overset{10}{0} \overset{10}{0} \\ - 257 \\ \hline 643 \end{array}$$

$$\begin{array}{r} \overset{3}{6} \overset{13}{4} \overset{3}{3} \\ - 406 \\ \hline 237 \end{array}$$

c.

$$\begin{array}{r} \overset{3}{4} \overset{11}{4} \overset{1}{1} \overset{2}{2} \\ - 2281 \\ \hline 2131 \end{array}$$

$$\begin{array}{r} \overset{1}{2} \overset{1}{1} \overset{3}{3} \overset{1}{1} \\ + 4290 \\ \hline 6421 \end{array}$$

5. (a)

$$\begin{array}{r} 1 \\ 5780 \\ + 3135 \\ \hline 8915 \end{array}$$

8915 copies of the newspaper print in a day.

(b)

$$\begin{array}{r} 16\ 13 \\ 2\ 6\ 3\ 10 \\ 3740 \\ - 2864 \\ \hline 876 \end{array}$$

876 more tree plant by farmer

(c)

$$\begin{array}{r} 1\ 1 \\ 3138 \\ + 1573 \\ \hline 4711 \end{array}$$

564 Bengali songs record.

## Chapter 7 Multiplication

Add to build these tables.

$$\begin{array}{l} 4 \\ +4 \\ \hline \end{array} \quad 4 \times 1 = 4$$

$$\begin{array}{l} 8 \\ +4 \\ \hline \end{array} \quad 4 \times 2 = 8$$

$$\begin{array}{l} 12 \\ +4 \\ \hline \end{array} \quad 4 \times 3 = 12$$

$$\begin{array}{l} 16 \\ +4 \\ \hline \end{array} \quad 4 \times 4 = 16$$

$$\begin{array}{l} 20 \\ +4 \\ \hline \end{array} \quad 4 \times 5 = 20$$

$$\begin{array}{l} 24 \\ +4 \\ \hline \end{array} \quad 4 \times 6 = 24$$

$$\begin{array}{l} 28 \\ +4 \\ \hline \end{array} \quad 4 \times 7 = 28$$

$$\begin{array}{l} 32 \\ +4 \\ \hline \end{array} \quad 4 \times 8 = 32$$

$$\begin{array}{l} 36 \\ +4 \\ \hline \end{array} \quad 4 \times 9 = 36$$

$$\begin{array}{l} 40 \\ +4 \\ \hline \end{array} \quad 4 \times 10 = 40$$

$$\begin{array}{l} 5 \\ +5 \\ \hline \end{array} \quad 5 \times 1 = 5$$

$$\begin{array}{l} 10 \\ +5 \\ \hline \end{array} \quad 5 \times 2 = 10$$

$$\begin{array}{l} 15 \\ +5 \\ \hline \end{array} \quad 5 \times 3 = 15$$

$$\begin{array}{l} 20 \\ +5 \\ \hline \end{array} \quad 5 \times 4 = 20$$

$$\begin{array}{l} 25 \\ +5 \\ \hline \end{array} \quad 5 \times 5 = 25$$

$$\begin{array}{l} 30 \\ +5 \\ \hline \end{array} \quad 5 \times 6 = 30$$

$$\begin{array}{l} 35 \\ +5 \\ \hline \end{array} \quad 5 \times 7 = 35$$

$$\begin{array}{l} 40 \\ +5 \\ \hline \end{array} \quad 5 \times 8 = 40$$

$$\begin{array}{l} 45 \\ +5 \\ \hline \end{array} \quad 5 \times 9 = 45$$

$$\begin{array}{l} 50 \\ +5 \\ \hline \end{array} \quad 5 \times 10 = 50$$

$$\begin{array}{l} 9 \\ +9 \\ \hline \end{array} \quad 9 \times 1 = 9$$

$$\begin{array}{l} 18 \\ +9 \\ \hline \end{array} \quad 9 \times 2 = 18$$

$$\begin{array}{l} 27 \\ +9 \\ \hline \end{array} \quad 9 \times 3 = 27$$

$$\begin{array}{l} 36 \\ +9 \\ \hline \end{array} \quad 9 \times 4 = 36$$

$$\begin{array}{l} 45 \\ +9 \\ \hline \end{array} \quad 9 \times 5 = 45$$

$$\begin{array}{l} 54 \\ +9 \\ \hline \end{array} \quad 9 \times 6 = 54$$

$$\begin{array}{l} 63 \\ +9 \\ \hline \end{array} \quad 9 \times 7 = 63$$

$$\begin{array}{l} 72 \\ +9 \\ \hline \end{array} \quad 9 \times 8 = 72$$

$$\begin{array}{l} 81 \\ +9 \\ \hline \end{array} \quad 9 \times 9 = 81$$

$$\begin{array}{l} 90 \\ +9 \\ \hline \end{array} \quad 9 \times 10 = 90$$

$$\begin{array}{l} 10 \\ +10 \\ \hline \end{array} \quad 10 \times 1 = 10$$

$$\begin{array}{l} 20 \\ +10 \\ \hline \end{array} \quad 10 \times 2 = 20$$

$$\begin{array}{l} 30 \\ +10 \\ \hline \end{array} \quad 10 \times 3 = 30$$

$$\begin{array}{l} 40 \\ +10 \\ \hline \end{array} \quad 10 \times 4 = 40$$

$$\begin{array}{l} 50 \\ +10 \\ \hline \end{array} \quad 10 \times 5 = 50$$

$$\begin{array}{l} 60 \\ +10 \\ \hline \end{array} \quad 10 \times 6 = 60$$

$$\begin{array}{l} 70 \\ +10 \\ \hline \end{array} \quad 10 \times 7 = 70$$

$$\begin{array}{l} 80 \\ +10 \\ \hline \end{array} \quad 10 \times 8 = 80$$

$$\begin{array}{l} 90 \\ +10 \\ \hline \end{array} \quad 10 \times 9 = 90$$

$$\begin{array}{l} 100 \\ +10 \\ \hline \end{array} \quad 10 \times 10 = 100$$

### EXERCISE 7A

1. Fill in to show that multiplication is repeated addition.

(a)  $3 + 3 + 3 + 3 = 12$   
 $4 \times 3 = 12$   
 $4 \times 2 = 8$   
 $2 + 2 + 2 + 2 = 8$

(b)  $5 + 5 + 5 + 5 + 5 = 25$   
 $5 \times 5 = 25$   
 $3 \times 8 = 24$   
 $8 + 8 + 8 = 24$

(c)  $7 + 7 + 7 = 21$   
 $3 \times 7 = 21$   
 $5 \times 9 = 45$   
 $9 + 9 + 9 + 9 + 9 = 45$

2. Fill in.

(a)  $5 \times 6 = 6 \times 5$   
 $7 \times 1 = 7$   
 $5 \times 0 = 0$

(b)  $7 \times 8 = 8 \times 7$   
 $15 \times 1 = 15$   
 $0 \times 7 = 0$

(c)  $5 \times 9 = 9 \times 5$   
 $1 \times 8 = 8$   
 $25 \times 0 = 0$

(d)  $8 \times 10 = 10 \times 8$   
 $1 \times 11 = 11$   
 $0 \times 100 = 0$

3. Multiply.

- a.  $3 \times 8 = 24$     b.  $4 \times 7 = 28$     c.  $5 \times 8 = 40$     d.  $6 \times 9 = 54$   
 e.  $8 \times 3 = 24$     f.  $7 \times 4 = 28$     g.  $8 \times 5 = 40$     h.  $9 \times 6 = 54$   
 i.  $6 \times 6 = 36$     j.  $7 \times 5 = 35$     k.  $3 \times 9 = 27$     l.  $4 \times 7 = 28$   
 m.  $3 \times 9 = 27$     n.  $8 \times 6 = 48$     o.  $7 \times 7 = 49$     p.  $10 \times 8 = 80$   
 q. 
$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$
    r. 
$$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$$
    s. 
$$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$$
    t. 
$$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$$
    u. 
$$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

4. Fill in.

- a.  $3 \times \underline{4} = 12$     b.  $\underline{7} \times 3 = 21$     c.  $5 \times \underline{6} = 30$     d.  $\underline{7} \times 8 = 56$   
 $\underline{5} \times 7 = 35$      $3 \times \underline{5} = 15$      $\underline{8} \times 6 = 48$      $6 \times \underline{9} = 54$   
 $30 \times 2 = 60$      $20 \times 2 = 40$      $60 \times 2 = 120$      $50 \times 2 = 100$   
 $40 \times 5 = 200$      $70 \times 5 = 350$      $90 \times 6 = 540$      $80 \times 5 = 400$

**EXERCISE 7B**

Do these sums.

1. a. 
$$\begin{array}{r} 11 \\ \times 5 \\ \hline 55 \end{array}$$
    b. 
$$\begin{array}{r} 12 \\ \times 2 \\ \hline 24 \end{array}$$
    c. 
$$\begin{array}{r} 13 \\ \times 2 \\ \hline 26 \end{array}$$
    d. 
$$\begin{array}{r} 13 \\ \times 3 \\ \hline 39 \end{array}$$
    e. 
$$\begin{array}{r} 31 \\ \times 2 \\ \hline 62 \end{array}$$
  
 2. a. 
$$\begin{array}{r} 13 \\ \times 5 \\ \hline 65 \end{array}$$
    b. 
$$\begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$$
    c. 
$$\begin{array}{r} 14 \\ \times 3 \\ \hline 42 \end{array}$$
    d. 
$$\begin{array}{r} 16 \\ \times 6 \\ \hline 96 \end{array}$$
    e. 
$$\begin{array}{r} 15 \\ \times 5 \\ \hline 75 \end{array}$$
  
 3. a. 
$$\begin{array}{r} 54 \\ \times 2 \\ \hline 108 \end{array}$$
    b. 
$$\begin{array}{r} 68 \\ \times 2 \\ \hline 136 \end{array}$$
    c. 
$$\begin{array}{r} 45 \\ \times 3 \\ \hline 135 \end{array}$$
    d. 
$$\begin{array}{r} 27 \\ \times 4 \\ \hline 108 \end{array}$$
    e. 
$$\begin{array}{r} 55 \\ \times 5 \\ \hline 275 \end{array}$$
  
 4. a. 
$$\begin{array}{r} 15 \\ \times 4 \\ \hline 60 \end{array}$$
    b. 
$$\begin{array}{r} 16 \\ \times 6 \\ \hline 96 \end{array}$$
    c. 
$$\begin{array}{r} 17 \\ \times 7 \\ \hline 119 \end{array}$$
    d. 
$$\begin{array}{r} 19 \\ \times 5 \\ \hline 95 \end{array}$$
    e. 
$$\begin{array}{r} 24 \\ \times 4 \\ \hline 96 \end{array}$$
    f. 
$$\begin{array}{r} 24 \\ \times 6 \\ \hline 144 \end{array}$$



## Word Problems

### EXERCISE 7C

1. 
$$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$$

24 toys

2. 
$$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$$

32 children

3. 
$$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

64 squares

4. 
$$\begin{array}{r} 4 \\ 16 \\ \times 7 \\ \hline 112 \end{array}$$

112 CDs

### EXERCISE 7D

Multiply.

1. a. 
$$\begin{array}{r} 224 \\ \times 2 \\ \hline 448 \end{array}$$

b. 
$$\begin{array}{r} 143 \\ \times 2 \\ \hline 286 \end{array}$$

c. 
$$\begin{array}{r} 303 \\ \times 2 \\ \hline 606 \end{array}$$

d. 
$$\begin{array}{r} 232 \\ \times 3 \\ \hline 696 \end{array}$$

e. 
$$\begin{array}{r} 100 \\ \times 8 \\ \hline 800 \end{array}$$

2. a. 
$$\begin{array}{r} 1 \\ 437 \\ \times 2 \\ \hline 874 \end{array}$$

b. 
$$\begin{array}{r} 1 \\ 235 \\ \times 2 \\ \hline 470 \end{array}$$

c. 
$$\begin{array}{r} 1 \\ 225 \\ \times 3 \\ \hline 675 \end{array}$$

d. 
$$\begin{array}{r} 21 \\ 174 \\ \times 3 \\ \hline 522 \end{array}$$

e. 
$$\begin{array}{r} 3 \\ 208 \\ \times 4 \\ \hline 832 \end{array}$$

3. a. 
$$\begin{array}{r} 13 \\ 115 \\ \times 7 \\ \hline 805 \end{array}$$

b. 
$$\begin{array}{r} 44 \\ 167 \\ \times 6 \\ \hline 1002 \end{array}$$

c. 
$$\begin{array}{r} 3 \\ 206 \\ \times 5 \\ \hline 1030 \end{array}$$

d. 
$$\begin{array}{r} 11 \\ 246 \\ \times 3 \\ \hline 738 \end{array}$$

e. 
$$\begin{array}{r} 22 \\ 357 \\ \times 4 \\ \hline 1428 \end{array}$$

4. Do these sums in your notebook.

a. 
$$\begin{array}{r} 1 \\ 124 \\ \times 3 \\ \hline 372 \end{array}$$

b. 
$$\begin{array}{r} 11 \\ 333 \\ \times 4 \\ \hline 1332 \end{array}$$

c. 
$$\begin{array}{r} 31 \\ 462 \\ \times 5 \\ \hline 2310 \end{array}$$

d. 
$$\begin{array}{r} 41 \\ 173 \\ \times 6 \\ \hline 1038 \end{array}$$

e. 
$$\begin{array}{r} 1 \\ 542 \\ \times 4 \\ \hline 2168 \end{array}$$

f. 
$$\begin{array}{r} 11 \\ 879 \\ \times 2 \\ \hline 1758 \end{array}$$

Add 11s to build the table of 11.

$\begin{array}{r} 11 \\ +11 \\ \hline \end{array}$   $11 \times 1 = 11$

$\begin{array}{r} 22 \\ +11 \\ \hline \end{array}$   $11 \times 2 = 22$

$\begin{array}{r} 33 \\ +11 \\ \hline \end{array}$   $11 \times 3 = 33$

$\begin{array}{r} 44 \\ +11 \\ \hline \end{array}$   $11 \times 4 = 44$

$\begin{array}{r} 55 \\ +11 \\ \hline \end{array}$   $11 \times 5 = 55$

$\begin{array}{r} 66 \\ +11 \\ \hline \end{array}$   $11 \times 6 = 66$

$\begin{array}{r} 77 \\ +11 \\ \hline \end{array}$   $11 \times 7 = 77$

$\begin{array}{r} 88 \\ +11 \\ \hline \end{array}$   $11 \times 8 = 88$

$\begin{array}{r} 99 \\ +11 \\ \hline \end{array}$   $11 \times 9 = 99$

$\begin{array}{r} 110 \\ +11 \\ \hline \end{array}$   $11 \times 10 = 110$

Add 20s to build the table of 20.

$20 \times 1 = 20$

$20 \times 2 = 40$

$20 \times 3 = 60$

$20 \times 4 = 80$

$20 \times 5 = 100$

$20 \times 6 = 120$

$20 \times 7 = 140$

$20 \times 8 = 160$

$20 \times 9 = 180$

$20 \times 10 = 200$



Do these after learning tables up to 15.

$12 \times 2 = 24$

$13 \times 2 = 26$

$14 \times 2 = 28$

$15 \times 2 = 30$

$12 \times 3 = 36$

$13 \times 3 = 39$

$14 \times 3 = 42$

$15 \times 3 = 45$

$11 \times 2 = 22$

$12 \times 4 = 48$

$13 \times 4 = 52$

$14 \times 4 = 56$

$15 \times 4 = 60$

$11 \times 3 = 33$

$12 \times 5 = 60$

$13 \times 5 = 65$

$14 \times 5 = 70$

$15 \times 5 = 75$

$11 \times 4 = 44$

$12 \times 6 = 72$

$13 \times 6 = 78$

$14 \times 6 = 84$

$15 \times 6 = 90$

$11 \times 5 = 55$

$12 \times 7 = 84$

$13 \times 7 = 91$

$14 \times 7 = 98$

$15 \times 7 = 105$

$11 \times 8 = 88$

$12 \times 8 = 96$

$13 \times 8 = 104$

$14 \times 8 = 112$

$15 \times 8 = 120$

$11 \times 9 = 99$

$12 \times 9 = 108$

$13 \times 9 = 117$

$14 \times 9 = 126$

$15 \times 9 = 135$

### EXERCISE 7E

Multiply.

1. a.  $48 \times 10 = 480$     b.  $26 \times 10 = 260$     c.  $69 \times 10 = 690$     d.  $321 \times 10 = 3210$

e.  $243 \times 10 = 2430$     f.  $806 \times 10 = 8060$     g.  $2 \times 40 = 80$     h.  $3 \times 60 = 180$

2. a.  $8 \times 100 = 800$     b.  $15 \times 100 = 1500$     c.  $25 \times 100 = 2500$     d.  $10 \times 100 = 1000$

e.  $30 \times 100 = 3000$     f.  $55 \times 100 = 5500$     g.  $6 \times 300 = 1800$     h.  $7 \times 600 = 4200$

3. a.  $3 \times 1000 = 3000$     b.  $6 \times 1000 = 6000$     c.  $5 \times 1000 = 5000$     d.  $8 \times 1000 = 8000$

e.  $4 \times 2000 = 8000$     f.  $3 \times 3000 = 9000$     g.  $2 \times 2000 = 4000$     h.  $3 \times 2000 = 6000$

4. a. 
$$\begin{array}{r} 15 \\ \times 50 \\ \hline 750 \end{array}$$
    b. 
$$\begin{array}{r} 16 \\ \times 70 \\ \hline 1120 \end{array}$$
    c. 
$$\begin{array}{r} 18 \\ \times 50 \\ \hline 900 \end{array}$$
    d. 
$$\begin{array}{r} 17 \\ \times 40 \\ \hline 680 \end{array}$$
    e. 
$$\begin{array}{r} 14 \\ \times 80 \\ \hline 1120 \end{array}$$
    f. 
$$\begin{array}{r} 12 \\ \times 80 \\ \hline 960 \end{array}$$

5. a. 
$$\begin{array}{r} 132 \\ \times 30 \\ \hline 3960 \end{array}$$
    b. 
$$\begin{array}{r} 160 \\ \times 30 \\ \hline 4800 \end{array}$$
    c. 
$$\begin{array}{r} 143 \\ \times 20 \\ \hline 2860 \end{array}$$
    d. 
$$\begin{array}{r} 253 \\ \times 20 \\ \hline 5060 \end{array}$$
    e. 
$$\begin{array}{r} 123 \\ \times 40 \\ \hline 4920 \end{array}$$

6. a. 
$$\begin{array}{r} 14 \\ \times 400 \\ \hline 5600 \end{array}$$
    b. 
$$\begin{array}{r} 17 \\ \times 300 \\ \hline 5100 \end{array}$$
    c. 
$$\begin{array}{r} 18 \\ \times 400 \\ \hline 7200 \end{array}$$
    d. 
$$\begin{array}{r} 21 \\ \times 400 \\ \hline 8400 \end{array}$$
    e. 
$$\begin{array}{r} 24 \\ \times 300 \\ \hline 7200 \end{array}$$

**EXERCISE 7F**

Multiply.

1. a. 
$$\begin{array}{r} 13 \\ \times 11 \\ \hline 13 \\ 130 \\ \hline 143 \end{array}$$
 b. 
$$\begin{array}{r} 13 \\ \times 12 \\ \hline 26 \\ 130 \\ \hline 156 \end{array}$$
 c. 
$$\begin{array}{r} 15 \\ \times 15 \\ \hline 75 \\ 150 \\ \hline 225 \end{array}$$
 d. 
$$\begin{array}{r} 22 \\ \times 16 \\ \hline 132 \\ 220 \\ \hline 352 \end{array}$$
 e. 
$$\begin{array}{r} 33 \\ \times 24 \\ \hline 132 \\ 660 \\ \hline 792 \end{array}$$
- f. 
$$\begin{array}{r} 43 \\ \times 18 \\ \hline 344 \\ 430 \\ \hline 774 \end{array}$$
 g. 
$$\begin{array}{r} 54 \\ \times 34 \\ \hline 216 \\ 1620 \\ \hline 1836 \end{array}$$
 h. 
$$\begin{array}{r} 62 \\ \times 34 \\ \hline 248 \\ 1860 \\ \hline 2108 \end{array}$$
 i. 
$$\begin{array}{r} 73 \\ \times 44 \\ \hline 292 \\ 2920 \\ \hline 3212 \end{array}$$
 j. 
$$\begin{array}{r} 86 \\ \times 62 \\ \hline 172 \\ 5160 \\ \hline 5332 \end{array}$$

Do these sums in your notebook.

2. a. 
$$\begin{array}{r} 11 \\ \times 23 \\ \hline 33 \\ 220 \\ \hline 253 \end{array}$$
 b. 
$$\begin{array}{r} 22 \\ \times 32 \\ \hline 44 \\ 660 \\ \hline 704 \end{array}$$
 c. 
$$\begin{array}{r} 32 \\ \times 14 \\ \hline 128 \\ 320 \\ \hline 448 \end{array}$$
 d. 
$$\begin{array}{r} 34 \\ \times 13 \\ \hline 102 \\ 340 \\ \hline 442 \end{array}$$
 e. 
$$\begin{array}{r} 33 \\ \times 22 \\ \hline 66 \\ 660 \\ \hline 726 \end{array}$$
 f. 
$$\begin{array}{r} 23 \\ \times 33 \\ \hline 69 \\ 690 \\ \hline 759 \end{array}$$
3. a. 
$$\begin{array}{r} 24 \\ \times 15 \\ \hline 120 \\ 240 \\ \hline 360 \end{array}$$
 b. 
$$\begin{array}{r} 35 \\ \times 16 \\ \hline 210 \\ 350 \\ \hline 560 \end{array}$$
 c. 
$$\begin{array}{r} 54 \\ \times 16 \\ \hline 324 \\ 540 \\ \hline 864 \end{array}$$
 d. 
$$\begin{array}{r} 66 \\ \times 23 \\ \hline 198 \\ 1320 \\ \hline 1518 \end{array}$$
 e. 
$$\begin{array}{r} 65 \\ \times 35 \\ \hline 325 \\ 1950 \\ \hline 2275 \end{array}$$
 f. 
$$\begin{array}{r} 23 \\ \times 23 \\ \hline 69 \\ 460 \\ \hline 529 \end{array}$$
4. a. 
$$\begin{array}{r} 26 \\ \times 34 \\ \hline 104 \\ 780 \\ \hline 884 \end{array}$$
 b. 
$$\begin{array}{r} 39 \\ \times 33 \\ \hline 117 \\ 1170 \\ \hline 1287 \end{array}$$
 c. 
$$\begin{array}{r} 62 \\ \times 47 \\ \hline 434 \\ 2480 \\ \hline 2914 \end{array}$$
 d. 
$$\begin{array}{r} 72 \\ \times 46 \\ \hline 432 \\ 2880 \\ \hline 3312 \end{array}$$
 e. 
$$\begin{array}{r} 87 \\ \times 22 \\ \hline 174 \\ 1740 \\ \hline 1914 \end{array}$$
 f. 
$$\begin{array}{r} 68 \\ \times 55 \\ \hline 340 \\ 3400 \\ \hline 3740 \end{array}$$

**EXERCISE 7G**

Multiply.

1. 
$$\begin{array}{r} 124 \\ \times 14 \\ \hline 496 \\ 1240 \\ \hline 1736 \end{array}$$
 2. 
$$\begin{array}{r} 143 \\ \times 15 \\ \hline 715 \\ 1430 \\ \hline 2145 \end{array}$$
 3. 
$$\begin{array}{r} 235 \\ \times 13 \\ \hline 705 \\ 2350 \\ \hline 3055 \end{array}$$
 4. 
$$\begin{array}{r} 207 \\ \times 16 \\ \hline 1242 \\ 2070 \\ \hline 3312 \end{array}$$
 5. 
$$\begin{array}{r} 272 \\ \times 14 \\ \hline 1088 \\ 2720 \\ \hline 3808 \end{array}$$

6. 
$$\begin{array}{r} 205 \\ \times 16 \\ \hline 1230 \\ 2050 \\ \hline 3280 \end{array}$$

7. 
$$\begin{array}{r} 318 \\ \times 17 \\ \hline 2226 \\ 3180 \\ \hline 5406 \end{array}$$

8. 
$$\begin{array}{r} 413 \\ \times 18 \\ \hline 3304 \\ 4130 \\ \hline 7434 \end{array}$$

9. 
$$\begin{array}{r} 563 \\ \times 12 \\ \hline 1126 \\ 5630 \\ \hline 6756 \end{array}$$

10. 
$$\begin{array}{r} 270 \\ \times 22 \\ \hline 540 \\ 5400 \\ \hline 5940 \end{array}$$

11. 
$$\begin{array}{r} 226 \\ \times 18 \\ \hline 1808 \\ 2260 \\ \hline 4068 \end{array}$$

12. 
$$\begin{array}{r} 431 \\ \times 22 \\ \hline 862 \\ 8620 \\ \hline 9482 \end{array}$$

13. 
$$\begin{array}{r} 165 \\ \times 32 \\ \hline 330 \\ 4950 \\ \hline 5280 \end{array}$$

14. 
$$\begin{array}{r} 212 \\ \times 38 \\ \hline 1696 \\ 6360 \\ \hline 8056 \end{array}$$

15. 
$$\begin{array}{r} 188 \\ \times 44 \\ \hline 752 \\ 7520 \\ \hline 8272 \end{array}$$

### Word Problems

#### EXERCISE 7H

1. 
$$\begin{array}{r} 12 \\ \times 25 \\ \hline 60 \\ 240 \\ \hline 300 \end{array}$$

2. 
$$\begin{array}{r} 55 \\ \times 22 \\ \hline 110 \\ 1100 \\ \hline 1210 \end{array}$$

3. 
$$\begin{array}{r} 37 \\ \times 25 \\ \hline 185 \\ 740 \\ \hline 925 \end{array}$$

4. 
$$\begin{array}{r} 24 \\ \times 30 \\ \hline 00 \\ 720 \\ \hline 720 \end{array}$$

5. a. 
$$\begin{array}{r} 72 \\ \times 60 \\ \hline 00 \\ 4320 \\ \hline 4320 \end{array}$$
  
4320 times

b. 
$$\begin{array}{r} 24 \\ \times 30 \\ \hline 00 \\ 720 \\ \hline 720 \end{array}$$
  
720 hours

### MENTAL MATHS

Add the rows and columns. Then add the numbers you get. Their sums will be the same. Magic? Or the sum of 4 numbers? Make your own magic boxes and see.

3	2	5
5	4	9
8	6	14

4	8	12
12	6	18
16	14	30

20	30	50
40	50	90
60	80	140





Do yourself.

1. Divided by repeated subtraction.

b.

$$12 \div 4$$

$$\begin{aligned} 12 - 4 &= 8 \\ 8 - 4 &= 4 \\ 4 - 4 &= 0 \\ \therefore 12 \div 4 &= 3 \end{aligned}$$

c.

$$18 \div 3$$

$$\begin{aligned} 18 - 3 &= 15 \\ 15 - 3 &= 12 \\ 12 - 3 &= 9 \\ 9 - 3 &= 6 \\ 6 - 3 &= 3 \\ 3 - 3 &= 0 \\ \therefore 18 \div 3 &= 6 \end{aligned}$$

d.

$$45 \div 9$$

$$\begin{aligned} 45 - 9 &= 36 \\ 36 - 9 &= 27 \\ 27 - 9 &= 18 \\ 18 - 9 &= 9 \\ 9 - 9 &= 0 \\ \therefore 45 \div 9 &= 5 \end{aligned}$$

e.

$$50 \div 10$$

$$\begin{aligned} 50 - 10 &= 40 \\ 40 - 10 &= 30 \\ 30 - 10 &= 20 \\ 20 - 10 &= 10 \\ 10 - 10 &= 0 \\ \therefore 50 \div 10 &= 5 \end{aligned}$$

f.

$$42 \div 7$$

$$\begin{aligned} 42 - 7 &= 35 \\ 35 - 7 &= 28 \\ 28 - 7 &= 21 \\ 21 - 7 &= 14 \\ 14 - 7 &= 7 \\ 7 - 7 &= 0 \\ \therefore 42 \div 7 &= 6 \end{aligned}$$

2. Divide into equal groups by drawing by turn in the boxes.

b.

$$16 \div 4$$



$$16 \div 4 = 4$$

c.

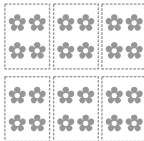
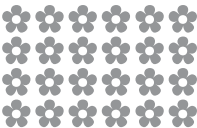
$$24 \div 6$$



$$16 \div 2 = 8$$

d.

$$24 \div 6$$



$$24 \div 6 = 4$$

Write division facts.

2.

$$9 \times 4 = 36$$

$$36 \div 9 = 4$$

$$36 \div 4 = 9$$

3.

$$6 \times 7 = 42$$

$$42 \div 6 = 7$$

$$42 \div 7 = 6$$

4.

$$8 \times 6 = 48$$

$$48 \div 8 = 6$$

$$48 \div 6 = 8$$

5.

$$11 \times 8 = 88$$

$$88 \div 11 = 8$$

$$88 \div 8 = 11$$

6.  $12 \times 5 = 60$   
 $60 \div 12 = 5$   
 $60 \div 5 = 12$
7.  $13 \times 6 = 78$   
 $78 \div 13 = 6$   
 $78 \div 6 = 13$
8.  $19 \times 1 = 19$   
 $19 \div 19 = 1$   
 $19 \div 1 = 19$

### EXERCISE 8A

1. Fill in.

- a.  $9 \div 3 = 3$     b.  $12 \div 2 = 6$     c.  $18 \div 3 = 6$     d.  $8 \div 2 = 4$
- e.  $18 \div 3 = 6$     f.  $24 \div 3 = 8$     g.  $20 \div 4 = 5$     h.  $28 \div 4 = 7$
- i.  $25 \div 5 = 5$     j.  $35 \div 5 = 7$     k.  $40 \div 5 = 8$     l.  $30 \div 6 = 5$
- m.  $42 \div 6 = 7$     n.  $48 \div 6 = 8$     o.  $49 \div 7 = 7$     p.  $56 \div 7 = 8$
- q.  $24 \div 8 = 3$     r.  $40 \div 8 = 5$     s.  $56 \div 8 = 7$     t.  $64 \div 8 = 8$

2. Fill in.

- a.  $27 \div 9 = 3$     b.  $45 \div 9 = 5$     c.  $54 \div 9 = 6$     d.  $63 \div 9 = 7$
- e.  $49 \div 7 = 7$     f.  $80 \div 10 = 8$     g.  $44 \div 11 = 4$     h.  $60 \div 12 = 5$
- i.  $48 \div 12 = 4$     j.  $72 \div 12 = 6$     k.  $39 \div 13 = 3$     l.  $65 \div 13 = 5$
- m.  $42 \div 14 = 3$     n.  $56 \div 14 = 4$     o.  $75 \div 15 = 5$     p.  $90 \div 15 = 6$

3. Fill in.

- a.  $0 \div 25 = 0$     b.  $0 \div 8 = 0$     c.  $8 \div 8 = 1$     d.  $12 \div 12 = 1$
- e.  $4 \div 1 = 4$     f.  $88 \div 1 = 88$     g.  $55 \div 55 = 1$     h.  $16 \div 1 = 16$

### EXERCISE 8B

1. Divide and check the answer.

$$\begin{array}{r} 23 \\ 2 \overline{) 46} \\ \underline{- 4} \phantom{0} \\ 06 \\ \underline{- 6} \\ 0 \end{array}$$

Dividend = 46  
 Quotient  $\times$  Divisor  
 =  $23 \times 2 = 46$

$$\begin{array}{r} 12 \\ 3 \overline{) 36} \\ \underline{- 3} \phantom{0} \\ 06 \\ \underline{- 6} \\ 0 \end{array}$$

Dividend = 36  
 Quotient  $\times$  Divisor  
 =  $12 \times 3 = 36$

$$\begin{array}{r} 12 \\ 4 \overline{) 48} \\ \underline{- 4} \phantom{0} \\ 08 \\ \underline{- 8} \\ 0 \end{array}$$

Dividend = 48  
 Quotient  $\times$  Divisor  
 =  $12 \times 4 = 48$

$$\begin{array}{r} 11 \\ 5 \overline{) 55} \\ \underline{- 5} \phantom{0} \\ 05 \\ \underline{- 5} \\ 0 \end{array}$$

Dividend = 55  
 Quotient  $\times$  Divisor  
 =  $11 \times 5 = 55$

$$\begin{array}{r} 34 \\ 2 \overline{) 68} \\ \underline{- 6} \phantom{0} \\ 08 \\ \underline{- 8} \\ 0 \end{array}$$

Dividend = 68  
 Quotient  $\times$  Divisor  
 =  $34 \times 2 = 68$

$$\begin{array}{r} 41 \\ 2 \overline{) 82} \\ \underline{- 8} \phantom{0} \\ 02 \\ \underline{- 2} \\ 0 \end{array}$$

Dividend = 82  
 Quotient  $\times$  Divisor  
 =  $41 \times 2 = 82$

$$\begin{array}{r} 22 \\ 3 \overline{) 66} \\ \underline{- 6} \phantom{0} \\ 06 \\ \underline{- 6} \\ 0 \end{array}$$

Dividend = 66  
 Quotient  $\times$  Divisor  
 =  $22 \times 3 = 66$

$$\begin{array}{r} 21 \\ 4 \overline{) 84} \\ \underline{- 8} \phantom{0} \\ 04 \\ \underline{- 4} \\ 0 \end{array}$$

Dividend = 84  
 Quotient  $\times$  Divisor  
 =  $21 \times 4 = 84$

2. Divide and check the answer.

a.  $24 \div 2$

$$\begin{array}{r} 12 \\ 2 \overline{) 24} \\ \underline{- 2} \phantom{0} \\ 04 \\ \underline{- 4} \\ 0 \end{array}$$

Dividend = 24  
Quotient  $\times$  Divisor  
=  $12 \times 2 = 24$

b.  $69 \div 3$

$$\begin{array}{r} 23 \\ 3 \overline{) 69} \\ \underline{- 6} \phantom{0} \\ 09 \\ \underline{- 9} \\ 0 \end{array}$$

Dividend = 69  
Quotient  $\times$  Divisor  
=  $23 \times 3 = 69$

c.  $84 \div 2$

$$\begin{array}{r} 42 \\ 2 \overline{) 84} \\ \underline{- 8} \phantom{0} \\ 04 \\ \underline{- 4} \\ 0 \end{array}$$

Dividend = 84  
Quotient  $\times$  Divisor  
=  $42 \times 2 = 84$

d.  $88 \div 8$

$$\begin{array}{r} 11 \\ 8 \overline{) 88} \\ \underline{- 8} \phantom{0} \\ 08 \\ \underline{- 8} \\ 0 \end{array}$$

Dividend = 88  
Quotient  $\times$  Divisor  
=  $11 \times 8 = 88$

3. Divide and check the answer.

a.

$$\begin{array}{r} 22 \\ 2 \overline{) 44} \\ \underline{- 4} \phantom{0} \\ 04 \\ \underline{- 4} \\ 0 \end{array}$$

Dividend = 44  
Quotient  $\times$  Divisor =  $22 \times 2$   
= 44

b.

$$\begin{array}{r} 21 \\ 3 \overline{) 63} \\ \underline{- 6} \phantom{0} \\ 03 \\ \underline{- 3} \\ 0 \end{array}$$

Dividend = 63  
Quotient  $\times$  Divisor =  $21 \times 3$   
= 99

c.

$$\begin{array}{r} 11 \\ 4 \overline{) 44} \\ \underline{- 4} \phantom{0} \\ 04 \\ \underline{- 4} \\ 0 \end{array}$$

Dividend = 44  
Quotient  $\times$  Divisor =  $11 \times 4$   
= 44

d.

$$\begin{array}{r} 33 \\ 3 \overline{) 99} \\ \underline{- 9} \phantom{0} \\ 09 \\ \underline{- 9} \\ 0 \end{array}$$

Dividend = 99  
Quotient  $\times$  Divisor =  $33 \times 3$   
= 99

**EXERCISE 8C**

1. Divide.

a.

$$\begin{array}{r} 132 \\ 2 \overline{) 264} \\ \underline{- 2} \phantom{00} \\ 06 \phantom{0} \\ \underline{- 6} \phantom{0} \\ 04 \\ \underline{- 4} \\ 0 \end{array}$$

$\therefore 264 \div 2 = 132$

b.

$$\begin{array}{r} 322 \\ 3 \overline{) 966} \\ \underline{- 9} \phantom{00} \\ 06 \phantom{0} \\ \underline{- 6} \phantom{0} \\ 06 \\ \underline{- 6} \\ 0 \end{array}$$

$\therefore 966 \div 3 = 322$

c.

$$\begin{array}{r} 221 \\ 4 \overline{) 884} \\ \underline{- 8} \phantom{00} \\ 08 \phantom{0} \\ \underline{- 8} \phantom{0} \\ 04 \\ \underline{- 4} \\ 0 \end{array}$$

$\therefore 884 \div 4 = 221$

d.

$$\begin{array}{r} 304 \\ 2 \overline{) 608} \\ \underline{- 6} \phantom{00} \\ 00 \phantom{0} \\ \underline{- 0} \phantom{0} \\ 08 \\ \underline{- 8} \\ 0 \end{array}$$

$\therefore 608 \div 2 = 304$





$$\begin{array}{r} 2 \overline{) 232} \\ - 4 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 6 \phantom{0} \\ \hline 0 \phantom{0} \\ - 4 \\ \hline 0 \end{array}$$

$$\therefore 464 \div 2 = 232$$

$$\begin{array}{r} 6 \overline{) 666} \\ - 6 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 6 \phantom{0} \\ \hline 0 \phantom{0} \\ - 6 \\ \hline 0 \end{array}$$

$$\therefore 666 \div 6 = 111$$

$$\begin{array}{r} 3 \overline{) 333} \\ - 3 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 3 \phantom{0} \\ \hline 0 \phantom{0} \\ - 3 \\ \hline 0 \end{array}$$

$$\therefore 333 \div 3 = 111$$

$$\begin{array}{r} 2 \overline{) 864} \\ - 8 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 6 \phantom{0} \\ \hline 0 \phantom{0} \\ - 4 \\ \hline 0 \end{array}$$

$$\therefore 864 \div 2 = 432$$

$$\begin{array}{r} 3 \overline{) 906} \\ - 9 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 0 \phantom{0} \\ \hline 0 \phantom{0} \\ - 6 \\ \hline 0 \end{array}$$

$$\therefore 906 \div 3 = 302$$

$$\begin{array}{r} 3 \overline{) 603} \\ - 6 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 0 \phantom{0} \\ \hline 0 \phantom{0} \\ - 3 \\ \hline 0 \end{array}$$

$$\therefore 603 \div 3 = 201$$

$$\begin{array}{r} 9 \overline{) 990} \\ - 9 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 9 \phantom{0} \\ \hline 0 \phantom{0} \\ - 0 \\ \hline 0 \end{array}$$

$$\therefore 990 \div 9 = 110$$

$$\begin{array}{r} 2 \overline{) 808} \\ - 8 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 5 \phantom{0} \\ \hline 0 \phantom{0} \\ - 0 \\ \hline 0 \phantom{0} \\ - 8 \\ \hline 0 \end{array}$$

$$\therefore 808 \div 2 = 404$$

$$\begin{array}{r} 4 \overline{) 480} \\ - 4 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 8 \phantom{0} \\ \hline 0 \phantom{0} \\ - 0 \\ \hline 0 \end{array}$$

$$\therefore 480 \div 4 = 120$$

$$\begin{array}{r} 6 \overline{) 606} \\ - 6 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 0 \phantom{0} \\ \hline 0 \phantom{0} \\ - 6 \\ \hline 0 \end{array}$$

$$\therefore 606 \div 6 = 101$$

$$\begin{array}{r} 2 \overline{) 240} \\ - 2 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 4 \phantom{0} \\ \hline 0 \phantom{0} \\ - 0 \\ \hline 0 \end{array}$$

$$\therefore 240 \div 2 = 120$$

$$\begin{array}{r} 3 \overline{) 690} \\ - 6 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 9 \phantom{0} \\ \hline 0 \phantom{0} \\ - 0 \\ \hline 0 \end{array}$$

$$\therefore 690 \div 3 = 230$$

$$\begin{array}{r} 3 \overline{) 600} \\ - 6 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 0 \phantom{0} \\ \hline 0 \phantom{0} \\ - 0 \\ \hline 0 \end{array}$$

$$\therefore 600 \div 3 = 200$$

$$\begin{array}{r} 3 \overline{) 300} \\ - 3 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 0 \phantom{0} \\ \hline 0 \phantom{0} \\ - 0 \\ \hline 0 \end{array}$$

$$\therefore 300 \div 3 = 100$$

$$\begin{array}{r} 4 \overline{) 400} \\ - 4 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 0 \phantom{0} \\ \hline 0 \phantom{0} \\ - 0 \\ \hline 0 \end{array}$$

$$\therefore 400 \div 4 = 100$$

$$\begin{array}{r} 7 \overline{) 700} \\ - 7 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 0 \phantom{0} \\ \hline 0 \phantom{0} \\ - 0 \\ \hline 0 \end{array}$$

$$\therefore 700 \div 7 = 100$$

### EXERCISE 8D

#### 1. Divide.

$$\begin{array}{r} 2 \overline{) 2646} \\ - 2 \phantom{0} \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \phantom{0} \\ - 6 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 4 \phantom{0} \\ \hline 0 \phantom{0} \\ - 6 \\ \hline 0 \end{array}$$

$$\therefore 2646 \div 2 = 1323$$

$$\begin{array}{r} 4 \overline{) 4488} \\ - 4 \phantom{0} \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \phantom{0} \\ - 4 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 8 \phantom{0} \\ \hline 0 \phantom{0} \\ - 8 \\ \hline 0 \end{array}$$

$$\therefore 4484 \div 4 = 1122$$

$$\begin{array}{r} 3 \overline{) 3369} \\ - 3 \phantom{0} \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \phantom{0} \\ - 3 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 6 \phantom{0} \\ \hline 0 \phantom{0} \\ - 9 \\ \hline 0 \end{array}$$

$$\therefore 3369 \div 3 = 1123$$

$$\begin{array}{r} 4 \overline{) 4088} \\ - 4 \phantom{0} \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \phantom{0} \\ - 0 \phantom{0} \phantom{0} \\ \hline 0 \phantom{0} \phantom{0} \\ - 8 \phantom{0} \\ \hline 0 \phantom{0} \\ - 8 \\ \hline 0 \end{array}$$

$$\therefore 4088 \div 4 = 1022$$



$$\begin{array}{r} 3 \ 2 \ 1 \ 0 \\ 2 \overline{) 6 \ 4 \ 2 \ 0} \\ - \underline{6} \quad \downarrow \quad \downarrow \\ 0 \ 4 \quad \downarrow \quad \downarrow \\ - \underline{4} \quad \downarrow \\ 0 \ 2 \quad \downarrow \\ - \underline{2} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 6420 \div 2 = 3210$$

$$\begin{array}{r} 1 \ 1 \ 3 \ 0 \\ 3 \overline{) 3 \ 3 \ 9 \ 0} \\ - \underline{3} \quad \downarrow \quad \downarrow \\ 0 \ 3 \quad \downarrow \quad \downarrow \\ - \underline{3} \quad \downarrow \\ 0 \ 9 \quad \downarrow \\ - \underline{9} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 3390 \div 3 = 1130$$

$$\begin{array}{r} 2 \ 2 \ 1 \ 0 \\ 4 \overline{) 8 \ 8 \ 4 \ 0} \\ - \underline{8} \quad \downarrow \quad \downarrow \\ 0 \ 8 \quad \downarrow \quad \downarrow \\ - \underline{8} \quad \downarrow \\ 0 \ 4 \quad \downarrow \\ - \underline{4} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 8840 \div 4 = 2210$$

$$\begin{array}{r} 1 \ 0 \ 1 \ 0 \\ 5 \overline{) 5 \ 0 \ 5 \ 0} \\ - \underline{5} \quad \downarrow \quad \downarrow \\ 0 \ 0 \quad \downarrow \quad \downarrow \\ - \underline{0} \quad \downarrow \\ 0 \ 5 \quad \downarrow \\ - \underline{5} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 5050 \div 5 = 1010$$

$$\begin{array}{r} 4 \ 3 \ 0 \ 0 \\ 2 \overline{) 8 \ 6 \ 0 \ 0} \\ - \underline{8} \quad \downarrow \quad \downarrow \\ 0 \ 6 \quad \downarrow \quad \downarrow \\ - \underline{6} \quad \downarrow \\ 0 \ 0 \quad \downarrow \\ - \underline{0} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 8600 \div 2 = 4300$$

$$\begin{array}{r} 3 \ 2 \ 0 \ 0 \\ 3 \overline{) 9 \ 6 \ 0 \ 0} \\ - \underline{9} \quad \downarrow \quad \downarrow \\ 0 \ 6 \quad \downarrow \quad \downarrow \\ - \underline{6} \quad \downarrow \\ 0 \ 0 \quad \downarrow \\ - \underline{0} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 9600 \div 3 = 3200$$

$$\begin{array}{r} 1 \ 2 \ 0 \ 0 \\ 4 \overline{) 4 \ 8 \ 0 \ 0} \\ - \underline{4} \quad \downarrow \quad \downarrow \\ 0 \ 8 \quad \downarrow \quad \downarrow \\ - \underline{8} \quad \downarrow \\ 0 \ 0 \quad \downarrow \\ - \underline{0} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 4800 \div 4 = 1200$$

$$\begin{array}{r} 1 \ 0 \ 1 \ 0 \\ 6 \overline{) 6 \ 0 \ 6 \ 0} \\ - \underline{6} \quad \downarrow \quad \downarrow \\ 0 \ 0 \quad \downarrow \quad \downarrow \\ - \underline{0} \quad \downarrow \\ 0 \ 6 \quad \downarrow \\ - \underline{6} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 6060 \div 6 = 1010$$

$$\begin{array}{r} 2 \ 0 \ 0 \ 0 \\ 2 \overline{) 4 \ 0 \ 0 \ 0} \\ - \underline{4} \quad \downarrow \quad \downarrow \\ 0 \ 0 \quad \downarrow \quad \downarrow \\ - \underline{0} \quad \downarrow \\ 0 \ 0 \quad \downarrow \\ - \underline{0} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 4000 \div 2 = 2000$$

$$\begin{array}{r} 2 \ 0 \ 0 \ 0 \\ 3 \overline{) 6 \ 0 \ 0 \ 0} \\ - \underline{6} \quad \downarrow \quad \downarrow \\ 0 \ 0 \quad \downarrow \quad \downarrow \\ - \underline{0} \quad \downarrow \\ 0 \ 0 \quad \downarrow \\ - \underline{0} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 6000 \div 3 = 2000$$

$$\begin{array}{r} 1 \ 0 \ 0 \ 0 \\ 4 \overline{) 4 \ 0 \ 0 \ 0} \\ - \underline{4} \quad \downarrow \quad \downarrow \\ 0 \ 0 \quad \downarrow \quad \downarrow \\ - \underline{0} \quad \downarrow \\ 0 \ 0 \quad \downarrow \\ - \underline{0} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 4000 \div 4 = 1000$$

$$\begin{array}{r} 1 \ 0 \ 0 \ 0 \\ 9 \overline{) 9 \ 0 \ 0 \ 0} \\ - \underline{9} \quad \downarrow \quad \downarrow \\ 0 \ 0 \quad \downarrow \quad \downarrow \\ - \underline{0} \quad \downarrow \\ 0 \ 0 \quad \downarrow \\ - \underline{0} \\ 0 \ 0 \\ - \underline{0} \\ 0 \end{array}$$

$$\therefore 9000 \div 9 = 1000$$

$$\begin{array}{r} 1 \ 2 \ 1 \ 3 \\ 3 \overline{) 3 \ 6 \ 3 \ 9} \\ - \underline{3} \quad \downarrow \quad \downarrow \\ 0 \ 6 \quad \downarrow \quad \downarrow \\ - \underline{6} \quad \downarrow \\ 0 \ 3 \quad \downarrow \\ - \underline{3} \\ 0 \ 9 \\ - \underline{9} \\ 0 \end{array}$$

$$\therefore 3639 \div 3 = 1213$$

$$\begin{array}{r} 3 \ 2 \ 1 \ 2 \\ 3 \overline{) 9 \ 6 \ 3 \ 6} \\ - \underline{9} \quad \downarrow \quad \downarrow \\ 0 \ 6 \quad \downarrow \quad \downarrow \\ - \underline{6} \quad \downarrow \\ 0 \ 3 \quad \downarrow \\ - \underline{3} \\ 0 \ 6 \\ - \underline{6} \\ 0 \end{array}$$

$$\therefore 9636 \div 3 = 3212$$

$$\begin{array}{r} 1 \ 1 \ 2 \ 2 \\ 4 \overline{) 4 \ 4 \ 8 \ 8} \\ - \underline{4} \quad \downarrow \quad \downarrow \\ 0 \ 4 \quad \downarrow \quad \downarrow \\ - \underline{4} \quad \downarrow \\ 0 \ 8 \quad \downarrow \\ - \underline{8} \\ 0 \ 8 \\ - \underline{8} \\ 0 \end{array}$$

$$\therefore 4488 \div 4 = 1122$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \\ 6 \overline{) 6 \ 6 \ 6 \ 6} \\ - \underline{6} \quad \downarrow \quad \downarrow \\ 0 \ 6 \quad \downarrow \quad \downarrow \\ - \underline{6} \quad \downarrow \\ 0 \ 6 \quad \downarrow \\ - \underline{6} \\ 0 \ 6 \\ - \underline{6} \\ 0 \end{array}$$

$$\therefore 6666 \div 6 = 1111$$

9. a. 
$$\begin{array}{r} 1024 \\ 2 \overline{) 2048} \\ \underline{- 2} \phantom{00} \\ 00 \phantom{00} \\ \underline{- 0} \phantom{00} \\ 04 \phantom{00} \\ \underline{- 4} \phantom{00} \\ 08 \\ \underline{- 8} \\ 0 \end{array}$$

b. 
$$\begin{array}{r} 2003 \\ 3 \overline{) 6009} \\ \underline{- 6} \phantom{00} \\ 00 \phantom{00} \\ \underline{- 0} \phantom{00} \\ 00 \phantom{00} \\ \underline{- 0} \phantom{00} \\ 09 \\ \underline{- 9} \\ 0 \end{array}$$

c. 
$$\begin{array}{r} 3200 \\ 3 \overline{) 9600} \\ \underline{- 9} \phantom{00} \\ 06 \phantom{00} \\ \underline{- 6} \phantom{00} \\ 00 \phantom{00} \\ \underline{- 0} \phantom{00} \\ 00 \\ \underline{- 0} \\ 0 \end{array}$$

d. 
$$\begin{array}{r} 1102 \\ 4 \overline{) 4408} \\ \underline{- 4} \phantom{00} \\ 04 \phantom{00} \\ \underline{- 4} \phantom{00} \\ 00 \phantom{00} \\ \underline{- 0} \phantom{00} \\ 08 \\ \underline{- 8} \\ 0 \end{array}$$

$\therefore 2048 \div 2 = 1024$      $\therefore 6009 \div 3 = 2003$      $\therefore 9600 \div 3 = 3200$      $\therefore 4408 \div 4 = 1102$

**EXERCISE 8E**

1. Divide.

a. 
$$\begin{array}{r} 3 \\ 2 \overline{) 7} \\ \underline{- 6} \\ 1 \end{array}$$
    Dividend = 7  
 $2 \times 3 + 1 = 7$

b. 
$$\begin{array}{r} 2 \\ 4 \overline{) 9} \\ \underline{- 8} \\ 1 \end{array}$$
    Dividend = 9  
 $4 \times 2 + 1 = 9$

c. 
$$\begin{array}{r} 11 \\ 5 \overline{) 57} \\ \underline{- 5} \\ 07 \\ \underline{- 5} \\ 2 \end{array}$$
    Dividend = 57  
 $5 \times 11 + 2 = 57$

d. 
$$\begin{array}{r} 11 \\ 7 \overline{) 78} \\ \underline{- 7} \\ 08 \\ \underline{- 7} \\ 1 \end{array}$$
    Dividend = 78  
 $7 \times 11 + 1 = 78$

2. Divide.

a. 
$$\begin{array}{r} 231 \\ 3 \overline{) 695} \\ \underline{- 6} \phantom{00} \\ 09 \phantom{00} \\ \underline{- 9} \phantom{00} \\ 05 \phantom{00} \\ \underline{- 3} \phantom{00} \\ 2 \end{array}$$
     $695 \div 3 = 231$  and remainder 2.

b. 
$$\begin{array}{r} 111 \\ 8 \overline{) 889} \\ \underline{- 8} \phantom{00} \\ 08 \phantom{00} \\ \underline{- 8} \phantom{00} \\ 09 \phantom{00} \\ \underline{- 8} \phantom{00} \\ 1 \end{array}$$
     $889 \div 8 = 111$  and remainder 1.

c. 
$$\begin{array}{r} 1422 \\ 2 \overline{) 2845} \\ \underline{- 2} \phantom{00} \\ 08 \phantom{00} \\ \underline{- 8} \phantom{00} \\ 04 \phantom{00} \\ \underline{- 4} \phantom{00} \\ 05 \phantom{00} \\ \underline{- 4} \phantom{00} \\ 1 \end{array}$$
     $2845 \div 2 = 1422$  and remainder 1.

d. 
$$\begin{array}{r} 2312 \\ 3 \overline{) 6937} \\ \underline{- 6} \phantom{00} \\ 09 \phantom{00} \\ \underline{- 9} \phantom{00} \\ 03 \phantom{00} \\ \underline{- 3} \phantom{00} \\ 07 \phantom{00} \\ \underline{- 6} \phantom{00} \\ 1 \end{array}$$
     $6937 \div 3 = 2312$  and remainder 1.

More sums for practice.

3. a. 
$$\begin{array}{r} 42 \\ 2 \overline{) 85} \\ \underline{- 8} \\ 05 \\ \underline{- 4} \\ 1 \end{array}$$
     $85 \div 2 = 42$  and remainder 1.

b. 
$$\begin{array}{r} 22 \\ 3 \overline{) 67} \\ \underline{- 6} \\ 07 \\ \underline{- 6} \\ 1 \end{array}$$
     $67 \div 3 = 22$  and remainder 1.

c. 
$$\begin{array}{r} 12 \\ 4 \overline{) 49} \\ \underline{- 4} \\ 09 \\ \underline{- 8} \\ 1 \end{array}$$
     $49 \div 4 = 12$  and remainder 1.

$$\begin{array}{r} \phantom{2} \phantom{0} \\ 2 \overline{) 41} \\ \underline{-4} \phantom{0} \\ \phantom{0} 1 \phantom{0} \\ \underline{-0} \\ \phantom{0} 1 \end{array}$$

$41 \div 2 = 20$  and  
remainder 1.

$$\begin{array}{r} \phantom{2} \phantom{2} \\ 3 \overline{) 68} \\ \underline{-6} \phantom{0} \\ \phantom{0} 8 \phantom{0} \\ \underline{-6} \\ \phantom{0} 2 \end{array}$$

$68 \div 3 = 22$  and  
remainder 2.

$$\begin{array}{r} \phantom{1} \phantom{1} \phantom{1} \\ 2 \overline{) 223} \\ \underline{-6} \phantom{0} \\ \phantom{0} 2 \phantom{0} \\ \underline{-2} \\ \phantom{0} 0 \phantom{3} \\ \underline{-0} \\ \phantom{0} 3 \phantom{0} \\ \underline{-2} \\ \phantom{0} 1 \end{array}$$

$223 \div 2 = 111$  and  
remainder 1.

$$\begin{array}{r} \phantom{2} \phantom{3} \phantom{2} \\ 3 \overline{) 697} \\ \underline{-6} \phantom{0} \\ \phantom{0} 9 \phantom{0} \\ \underline{-9} \\ \phantom{0} 0 \phantom{7} \\ \underline{-0} \\ \phantom{0} 7 \phantom{0} \\ \underline{-6} \\ \phantom{0} 1 \end{array}$$

$697 \div 3 = 232$  and  
remainder 1.

$$\begin{array}{r} \phantom{2} \phantom{3} \phantom{2} \\ 2 \overline{) 465} \\ \underline{-4} \phantom{0} \\ \phantom{0} 6 \phantom{0} \\ \underline{-6} \\ \phantom{0} 0 \phantom{5} \\ \underline{-0} \\ \phantom{0} 5 \phantom{0} \\ \underline{-4} \\ \phantom{0} 1 \end{array}$$

$465 \div 2 = 232$  and  
remainder 1.

$$\begin{array}{r} \phantom{2} \phantom{1} \phantom{2} \\ 4 \overline{) 849} \\ \underline{-8} \phantom{0} \\ \phantom{0} 4 \phantom{0} \\ \underline{-4} \\ \phantom{0} 0 \phantom{9} \\ \underline{-0} \\ \phantom{0} 9 \phantom{0} \\ \underline{-8} \\ \phantom{0} 1 \end{array}$$

$849 \div 4 = 212$  and  
remainder 1.

$$\begin{array}{r} \phantom{1} \phantom{1} \phantom{1} \\ 6 \overline{) 667} \\ \underline{-6} \phantom{0} \\ \phantom{0} 6 \phantom{0} \\ \underline{-6} \\ \phantom{0} 0 \phantom{7} \\ \underline{-0} \\ \phantom{0} 7 \phantom{0} \\ \underline{-6} \\ \phantom{0} 1 \end{array}$$

$667 \div 6 = 111$  and  
remainder 1.

$$\begin{array}{r} \phantom{1} \phantom{0} \phantom{2} \\ 2 \overline{) 205} \\ \underline{-2} \phantom{0} \\ \phantom{0} 0 \phantom{0} \\ \underline{-0} \\ \phantom{0} 0 \phantom{5} \\ \underline{-0} \\ \phantom{0} 5 \phantom{0} \\ \underline{-4} \\ \phantom{0} 1 \end{array}$$

$205 \div 2 = 102$  and  
remainder 1.

$$\begin{array}{r} \phantom{1} \phantom{0} \phantom{2} \\ 3 \overline{) 307} \\ \underline{-3} \phantom{0} \\ \phantom{0} 0 \phantom{0} \\ \underline{-0} \\ \phantom{0} 0 \phantom{7} \\ \underline{-0} \\ \phantom{0} 7 \phantom{0} \\ \underline{-6} \\ \phantom{0} 1 \end{array}$$

$307 \div 3 = 102$  and  
remainder 1.

$$\begin{array}{r} \phantom{1} \phantom{0} \phantom{1} \\ 4 \overline{) 405} \\ \underline{-4} \phantom{0} \\ \phantom{0} 0 \phantom{0} \\ \underline{-0} \\ \phantom{0} 0 \phantom{5} \\ \underline{-0} \\ \phantom{0} 5 \phantom{0} \\ \underline{-4} \\ \phantom{0} 1 \end{array}$$

$405 \div 4 = 101$  and  
remainder 1.

$$\begin{array}{r} \phantom{0}1\phantom{0}0\phantom{0} \\ 5\overline{)5\phantom{0}0\phantom{3}} \\ \underline{-5} \\ \phantom{0}0\phantom{0} \\ \underline{-0} \\ \phantom{0}0\phantom{3} \\ \underline{-0} \\ \phantom{0}3 \\ \underline{\phantom{0}3} \\ \phantom{0}0 \end{array}$$

$503 \div 5 = 100$  and  
remainder 3.

$$\begin{array}{r} \phantom{0}1\phantom{0}0\phantom{0} \\ 7\overline{)7\phantom{0}0\phantom{6}} \\ \underline{-7} \\ \phantom{0}0\phantom{0} \\ \underline{-0} \\ \phantom{0}0\phantom{6} \\ \underline{-0} \\ \phantom{0}6 \\ \underline{\phantom{0}6} \\ \phantom{0}0 \end{array}$$

$706 \div 7 = 100$  and  
remainder 6.

6. a. 
$$\begin{array}{r} \phantom{0}2\phantom{3}0 \\ 2\overline{)4\phantom{6}1} \\ \underline{-4} \\ \phantom{0}0\phantom{6} \\ \underline{-0} \\ \phantom{0}0\phantom{1} \\ \underline{-0} \\ \phantom{0}1 \\ \underline{\phantom{0}1} \\ \phantom{0}0 \end{array}$$

$461 \div 2 = 230$  and  
remainder 1.

b. 
$$\begin{array}{r} \phantom{0}2\phantom{1}0 \\ 3\overline{)6\phantom{3}2} \\ \underline{-6} \\ \phantom{0}0\phantom{3} \\ \underline{-0} \\ \phantom{0}0\phantom{2} \\ \underline{-0} \\ \phantom{0}2 \\ \underline{\phantom{0}2} \\ \phantom{0}0 \end{array}$$

$632 \div 3 = 210$  and  
remainder 2.

c. 
$$\begin{array}{r} \phantom{0}2\phantom{1}0 \\ 4\overline{)8\phantom{4}2} \\ \underline{-8} \\ \phantom{0}0\phantom{4} \\ \underline{-0} \\ \phantom{0}0\phantom{2} \\ \underline{-0} \\ \phantom{0}2 \\ \underline{\phantom{0}2} \\ \phantom{0}0 \end{array}$$

$842 \div 4 = 210$  and  
remainder 2.

d. 
$$\begin{array}{r} \phantom{0}1\phantom{1}0 \\ 9\overline{)9\phantom{9}5} \\ \underline{-9} \\ \phantom{0}0\phantom{9} \\ \underline{-0} \\ \phantom{0}0\phantom{5} \\ \underline{-0} \\ \phantom{0}5 \\ \underline{\phantom{0}5} \\ \phantom{0}0 \end{array}$$

$995 \div 9 = 110$  and  
remainder 5.

e. 
$$\begin{array}{r} \phantom{0}1\phantom{1}0 \\ 8\overline{)8\phantom{8}4} \\ \underline{-8} \\ \phantom{0}0\phantom{8} \\ \underline{-0} \\ \phantom{0}0\phantom{4} \\ \underline{-0} \\ \phantom{0}4 \\ \underline{\phantom{0}4} \\ \phantom{0}0 \end{array}$$

$884 \div 8 = 110$  and  
remainder 4.

7. a. 
$$\begin{array}{r} \phantom{0}3\phantom{4}2\phantom{1} \\ 2\overline{)6\phantom{8}4\phantom{3}} \\ \underline{-6} \\ \phantom{0}0\phantom{8} \\ \underline{-0} \\ \phantom{0}0\phantom{4} \\ \underline{-0} \\ \phantom{0}0\phantom{3} \\ \underline{-0} \\ \phantom{0}3 \\ \underline{\phantom{0}3} \\ \phantom{0}0 \end{array}$$

$6843 \div 2 = 3421$  and  
remainder 1.

b. 
$$\begin{array}{r} \phantom{0}3\phantom{2}2\phantom{2} \\ 3\overline{)9\phantom{6}6\phantom{7}} \\ \underline{-9} \\ \phantom{0}0\phantom{6} \\ \underline{-0} \\ \phantom{0}0\phantom{6} \\ \underline{-0} \\ \phantom{0}0\phantom{7} \\ \underline{-0} \\ \phantom{0}7 \\ \underline{-6} \\ \phantom{0}1 \\ \underline{\phantom{0}1} \\ \phantom{0}0 \end{array}$$

$9667 \div 3 = 3222$  and  
remainder 1.

c. 
$$\begin{array}{r} \phantom{0}2\phantom{1}1\phantom{1} \\ 4\overline{)8\phantom{4}4\phantom{7}} \\ \underline{-8} \\ \phantom{0}0\phantom{4} \\ \underline{-0} \\ \phantom{0}0\phantom{4} \\ \underline{-0} \\ \phantom{0}0\phantom{7} \\ \underline{-0} \\ \phantom{0}7 \\ \underline{-4} \\ \phantom{0}3 \\ \underline{\phantom{0}3} \\ \phantom{0}0 \end{array}$$

$8447 \div 4 = 2111$  and  
remainder 3.

$$\begin{array}{r} \text{d.} \quad \begin{array}{r} 3 \ 4 \ 1 \ 2 \\ 2 \overline{) 6 \ 8 \ 2 \ 5} \\ \underline{- 6} \phantom{0} \\ 0 \ 8 \\ \underline{- 8} \phantom{0} \\ 0 \ 2 \\ \underline{- 2} \phantom{0} \\ 0 \ 5 \\ \underline{- 4} \\ 1 \end{array} \end{array}$$

$6825 \div 2 = 3412$  and remainder 1.

$$\begin{array}{r} \text{e.} \quad \begin{array}{r} 2 \ 1 \ 2 \ 1 \\ 4 \overline{) 8 \ 4 \ 8 \ 5} \\ \underline{- 9} \phantom{0} \\ 0 \ 4 \\ \underline{- 4} \phantom{0} \\ 0 \ 8 \\ \underline{- 8} \phantom{0} \\ 0 \ 5 \\ \underline{- 4} \\ 1 \end{array} \end{array}$$

$8485 \div 4 = 2121$  and remainder 1.

$$\begin{array}{r} \text{8. a.} \quad \begin{array}{r} 3 \ 0 \ 2 \ 2 \\ 2 \overline{) 6 \ 0 \ 4 \ 5} \\ \underline{- 6} \phantom{0} \\ 0 \ 0 \\ \underline{- 0} \phantom{0} \\ 0 \ 4 \\ \underline{- 4} \phantom{0} \\ 0 \ 5 \\ \underline{- 4} \\ 1 \end{array} \end{array}$$

$6045 \div 2 = 3022$  and remainder 1.

$$\begin{array}{r} \text{b.} \quad \begin{array}{r} 2 \ 3 \ 0 \ 1 \\ 3 \overline{) 6 \ 9 \ 0 \ 5} \\ \underline{- 9} \phantom{0} \\ 0 \ 9 \\ \underline{- 9} \phantom{0} \\ 0 \ 0 \\ \underline{- 0} \phantom{0} \\ 0 \ 5 \\ \underline{- 3} \\ 2 \end{array} \end{array}$$

$6905 \div 3 = 2301$  and remainder 2.

$$\begin{array}{r} \text{c.} \quad \begin{array}{r} 1 \ 0 \ 2 \ 1 \\ 4 \overline{) 4 \ 0 \ 8 \ 6} \\ \underline{- 4} \phantom{0} \\ 0 \ 0 \\ \underline{- 0} \phantom{0} \\ 0 \ 8 \\ \underline{- 8} \phantom{0} \\ 0 \ 6 \\ \underline{- 4} \\ 2 \end{array} \end{array}$$

$4086 \div 4 = 1021$  and remainder 2.

$$\begin{array}{r} \text{d.} \quad \begin{array}{r} 2 \ 3 \ 0 \ 2 \\ 3 \overline{) 6 \ 9 \ 0 \ 7} \\ \underline{- 6} \phantom{0} \\ 0 \ 9 \\ \underline{- 9} \phantom{0} \\ 0 \ 0 \\ \underline{- 0} \phantom{0} \\ 0 \ 7 \\ \underline{- 6} \\ 1 \end{array} \end{array}$$

$6907 \div 3 = 2302$  and remainder 1.

$$\begin{array}{r} \text{e.} \quad \begin{array}{r} 2 \ 1 \ 0 \ 2 \\ 2 \overline{) 4 \ 2 \ 0 \ 5} \\ \underline{- 4} \phantom{0} \\ 0 \ 2 \\ \underline{- 2} \phantom{0} \\ 0 \ 0 \\ \underline{- 0} \phantom{0} \\ 0 \ 5 \\ \underline{- 4} \\ 1 \end{array} \end{array}$$

$4205 \div 2 = 2102$  and remainder 1.

$$\begin{array}{r} \text{9. a.} \quad \begin{array}{r} 9 \ 5 \ 3 \\ 3 \overline{) 2 \ 8 \ 6 \ 1} \\ \underline{- 2} \phantom{7} \\ 1 \ 6 \\ \underline{- 1} \phantom{5} \\ 1 \ 1 \\ \underline{- 9} \\ 2 \end{array} \end{array}$$

$2861 \div 3 = 953$  and remainder 2.

$$\begin{array}{r} \text{b.} \quad \begin{array}{r} 2 \ 8 \ 1 \ 4 \\ 3 \overline{) 8 \ 4 \ 4 \ 2} \\ \underline{- 6} \phantom{0} \\ 2 \ 4 \\ \underline{- 2} \phantom{4} \\ 0 \ 4 \\ \underline{- 3} \\ 1 \ 2 \\ \underline{- 1} \phantom{2} \\ 0 \end{array} \end{array}$$

$8442 \div 3 = 2814$  and remainder 0.

$$\begin{array}{r} \text{c.} \quad \begin{array}{r} 2 \ 3 \ 1 \ 0 \\ 3 \overline{) 6 \ 9 \ 3 \ 2} \\ \underline{- 6} \phantom{0} \\ 0 \ 9 \\ \underline{- 9} \phantom{0} \\ 0 \ 3 \\ \underline{- 3} \\ 0 \ 0 \\ \underline{- 0} \\ 2 \end{array} \end{array}$$

$6932 \div 3 = 2310$  and remainder 2.

$$\begin{array}{r} \text{d.} \quad 1 \ 1 \ 0 \ 0 \\ 6 \overline{) 6 \ 6 \ 0 \ 3} \\ \underline{- 6} \phantom{0} \\ 0 \ 6 \\ \underline{- 6} \phantom{0} \\ 0 \ 0 \\ \phantom{0} \ 0 \ 3 \\ \underline{- 0} \\ \phantom{0} \phantom{0} \ 3 \end{array}$$

$6603 \div 6 = 1100$  and  
remainder 3.

$$\begin{array}{r} \text{e.} \quad 1 \ 3 \ 0 \ 0 \\ 3 \overline{) 3 \ 9 \ 0 \ 1} \\ \underline{- 9} \phantom{0} \\ 0 \ 9 \\ \underline{- 9} \phantom{0} \\ 0 \ 0 \\ \phantom{0} \ 0 \ 1 \\ \underline{- 0} \\ \phantom{0} \phantom{0} \ 1 \end{array}$$

$3901 \div 3 = 1300$  and  
remainder 1.

## Chapter 9 More on Division

### EXERCISE 9A

1. Divide and check the answer.

$$\begin{array}{r} \text{a.} \quad 1 \ 6 \\ 2 \overline{) 3 \ 2} \\ \underline{- 2} \phantom{0} \\ 1 \ 2 \\ \underline{- 1 \ 2} \\ 0 \ 0 \end{array}$$

Dividend = 32  
 $2 \times 16 + 0 = 32$

$$\begin{array}{r} \text{b.} \quad 1 \ 8 \\ 3 \overline{) 5 \ 4} \\ \underline{- 3} \phantom{0} \\ 2 \ 4 \\ \underline{- 2 \ 4} \\ 0 \ 0 \end{array}$$

Dividend = 54  
 $3 \times 18 + 0 = 54$

$$\begin{array}{r} \text{c.} \quad 1 \ 4 \\ 4 \overline{) 5 \ 6} \\ \underline{- 4} \phantom{0} \\ 1 \ 6 \\ \underline{- 1 \ 6} \\ 0 \ 0 \end{array}$$

Dividend = 56  
 $4 \times 14 + 0 = 56$

$$\begin{array}{r} \text{d.} \quad 1 \ 4 \\ 5 \overline{) 7 \ 0} \\ \underline{- 5} \phantom{0} \\ 2 \ 0 \\ \underline{- 2 \ 0} \\ 0 \ 0 \end{array}$$

Dividend = 70  
 $5 \times 14 + 0 = 70$

2. Divide.

$$\begin{array}{r} \text{a.} \quad 3 \ 7 \ 4 \\ 2 \overline{) 7 \ 4 \ 8} \\ \underline{- 6} \phantom{0} \\ 1 \ 4 \\ \underline{- 1 \ 4} \\ 0 \ 0 \ 8 \\ \phantom{0} \ 0 \ 8 \\ \underline{- 8} \\ 0 \end{array}$$

$748 \div 2 = 374$

$$\begin{array}{r} \text{b.} \quad 5 \ 4 \\ 3 \overline{) 1 \ 6 \ 3} \\ \underline{- 1 \ 5} \phantom{0} \\ 1 \ 3 \\ \underline{- 1 \ 2} \\ 1 \end{array}$$

$163 \div 3 = 54$  and  
remainder 1.

$$\begin{array}{r} \text{c.} \quad 1 \ 1 \ 5 \ 2 \\ 4 \overline{) 4 \ 6 \ 0 \ 8} \\ \underline{- 4} \phantom{0} \\ 0 \ 6 \\ \phantom{0} \ 6 \\ \underline{- 4} \phantom{0} \\ 2 \ 0 \\ \phantom{2} \ 0 \\ \underline{- 2 \ 0} \\ 0 \ 0 \ 8 \\ \phantom{0} \ 0 \ 8 \\ \phantom{0} \ 8 \\ \underline{- 8} \\ 0 \end{array}$$

$4608 \div 4 = 1152$

$$\begin{array}{r} \text{d.} \quad 2 \ 0 \ 9 \\ 6 \overline{) 1 \ 2 \ 5 \ 5} \\ \underline{- 1 \ 2} \phantom{0} \\ 0 \ 0 \ 5 \\ \phantom{0} \ 0 \ 5 \\ \underline{- 1 \ 4} \\ 5 \ 5 \\ \phantom{5} \ 5 \\ \underline{- 5 \ 4} \\ 1 \end{array}$$

$1255 \div 6 = 209$   
and remainder 1.

More sums for practice.

$$\begin{array}{r} \text{3. a.} \quad 1 \ 5 \\ 3 \overline{) 4 \ 5} \\ \underline{- 3} \phantom{0} \\ 1 \ 5 \\ \underline{- 1 \ 5} \\ 0 \ 0 \end{array}$$

$45 \div 3 = 15$  and  
remainder 0.

$$\begin{array}{r} \text{b.} \quad 1 \ 9 \\ 4 \overline{) 7 \ 8} \\ \underline{- 4} \phantom{0} \\ 3 \ 8 \\ \underline{- 3 \ 6} \\ 2 \end{array}$$

$78 \div 4 = 19$  and  
remainder 2.

$$\begin{array}{r} \text{c.} \quad 1 \ 9 \\ 5 \overline{) 9 \ 5} \\ \underline{- 5} \phantom{0} \\ 4 \ 5 \\ \underline{- 4 \ 5} \\ 0 \ 0 \end{array}$$

$95 \div 5 = 19$  and  
remainder 0.

$$\begin{array}{r} \text{d.} \quad 1 \ 4 \\ 7 \overline{) 9 \ 8} \\ \underline{- 7} \phantom{0} \\ 2 \ 8 \\ \underline{- 2 \ 8} \\ 0 \ 0 \end{array}$$

$98 \div 7 = 14$  and  
remainder 0.

$$\begin{array}{r} \text{e.} \quad 1 \ 2 \\ 8 \overline{) 9 \ 6} \\ \underline{- 8} \phantom{0} \\ 1 \ 6 \\ \underline{- 1 \ 6} \\ 0 \ 0 \end{array}$$

$96 \div 8 = 12$  and  
remainder 0.



4. a. 
$$\begin{array}{r} 36 \\ 2\overline{)73} \\ -6 \\ \hline 13 \\ -12 \\ \hline 1 \end{array}$$
 b. 
$$\begin{array}{r} 13 \\ 4\overline{)55} \\ -4 \\ \hline 15 \\ -12 \\ \hline 3 \end{array}$$
 c. 
$$\begin{array}{r} 13 \\ 5\overline{)68} \\ -5 \\ \hline 18 \\ -15 \\ \hline 3 \end{array}$$
 d. 
$$\begin{array}{r} 26 \\ 3\overline{)79} \\ -6 \\ \hline 19 \\ -18 \\ \hline 1 \end{array}$$
 e. 
$$\begin{array}{r} 14 \\ 6\overline{)85} \\ -6 \\ \hline 25 \\ -24 \\ \hline 1 \end{array}$$

73 ÷ 2 = 36 and remainder 1.    55 ÷ 4 = 13 and remainder 3.    68 ÷ 5 = 13 and remainder 3.    79 ÷ 3 = 26 and remainder 1.    85 ÷ 6 = 14 and remainder 1.

5. a. 
$$\begin{array}{r} 371 \\ 2\overline{)742} \\ -6 \\ \hline 14 \\ -14 \\ \hline 02 \\ -2 \\ \hline 0 \end{array}$$
 b. 
$$\begin{array}{r} 163 \\ 3\overline{)489} \\ -3 \\ \hline 18 \\ -18 \\ \hline 009 \\ -9 \\ \hline 0 \end{array}$$
 c. 
$$\begin{array}{r} 241 \\ 4\overline{)965} \\ -8 \\ \hline 16 \\ -16 \\ \hline 005 \\ -4 \\ \hline 1 \end{array}$$
 d. 
$$\begin{array}{r} 121 \\ 5\overline{)606} \\ -6 \\ \hline 10 \\ -10 \\ \hline 006 \\ -5 \\ \hline 1 \end{array}$$
 e. 
$$\begin{array}{r} 129 \\ 7\overline{)903} \\ -7 \\ \hline 20 \\ -14 \\ \hline 63 \\ -63 \\ \hline 0 \end{array}$$

742 ÷ 2 = 371 and remainder 0.    489 ÷ 3 = 163 and remainder 0.    965 ÷ 4 = 241 and remainder 1.    606 ÷ 5 = 121 and remainder 1.    903 ÷ 7 = 129 and remainder 0.

6. a. 
$$\begin{array}{r} 114 \\ 5\overline{)570} \\ -5 \\ \hline 07 \\ -5 \\ \hline 20 \\ -20 \\ \hline 0 \end{array}$$
 b. 
$$\begin{array}{r} 225 \\ 3\overline{)675} \\ -6 \\ \hline 07 \\ -6 \\ \hline 15 \\ -15 \\ \hline 0 \end{array}$$
 c. 
$$\begin{array}{r} 105 \\ 6\overline{)635} \\ -6 \\ \hline 03 \\ -0 \\ \hline 35 \\ -30 \\ \hline 5 \end{array}$$
 d. 
$$\begin{array}{r} 101 \\ 8\overline{)808} \\ -8 \\ \hline 00 \\ -0 \\ \hline 08 \\ -8 \\ \hline 0 \end{array}$$
 e. 
$$\begin{array}{r} 106 \\ 5\overline{)531} \\ -5 \\ \hline 03 \\ -0 \\ \hline 31 \\ -30 \\ \hline 1 \end{array}$$

570 ÷ 5 = 114 and remainder 0.    675 ÷ 3 = 225 and remainder 0.    635 ÷ 6 = 105 and remainder 5.    808 ÷ 8 = 101 and remainder 0.    531 ÷ 5 = 106 and remainder 1.

7. a. 
$$\begin{array}{r} 71 \\ 7\overline{)497} \\ -49 \\ \hline 007 \\ -7 \\ \hline 0 \end{array}$$
 b. 
$$\begin{array}{r} 77 \\ 2\overline{)155} \\ -14 \\ \hline 15 \\ -14 \\ \hline 1 \end{array}$$
 c. 
$$\begin{array}{r} 75 \\ 3\overline{)225} \\ -21 \\ \hline 15 \\ -15 \\ \hline 00 \end{array}$$
 d. 
$$\begin{array}{r} 67 \\ 5\overline{)336} \\ -30 \\ \hline 36 \\ -35 \\ \hline 1 \end{array}$$
 e. 
$$\begin{array}{r} 73 \\ 8\overline{)586} \\ -56 \\ \hline 26 \\ -24 \\ \hline 2 \end{array}$$

497 ÷ 7 = 71 and remainder 0.    155 ÷ 2 = 77 and remainder 1.    225 ÷ 3 = 75 and remainder 0.    336 ÷ 5 = 67 and remainder 1.    586 ÷ 8 = 73 and remainder 2.

8. a.	b.	c.	d.	e.
$\begin{array}{r} 240 \\ 4 \overline{) 962} \\ \underline{-8} \\ 16 \\ \underline{-16} \\ 002 \\ \underline{-2} \\ 2 \end{array}$	$\begin{array}{r} 130 \\ 5 \overline{) 653} \\ \underline{-5} \\ 15 \\ \underline{-15} \\ 003 \\ \underline{-0} \\ 3 \end{array}$	$\begin{array}{r} 60 \\ 6 \overline{) 364} \\ \underline{-36} \\ 004 \\ \underline{-0} \\ 4 \end{array}$	$\begin{array}{r} 105 \\ 8 \overline{) 840} \\ \underline{-8} \\ 04 \\ \underline{-0} \\ 40 \\ \underline{-40} \\ 0 \end{array}$	$\begin{array}{r} 56 \\ 9 \overline{) 510} \\ \underline{-45} \\ 60 \\ \underline{-54} \\ 6 \end{array}$

962 ÷ 4 = 240 and remainder 2.	653 ÷ 5 = 130 and remainder 3.	364 ÷ 6 = 60 and remainder 4.	840 ÷ 8 = 105 and remainder 0.	510 ÷ 9 = 56 and remainder 6.
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9. a.	b.	c.	d.	e.
$\begin{array}{r} 819 \\ 6 \overline{) 4914} \\ \underline{-48} \\ 11 \\ \underline{-6} \\ 54 \\ \underline{-54} \\ 0 \end{array}$	$\begin{array}{r} 928 \\ 5 \overline{) 4642} \\ \underline{-45} \\ 14 \\ \underline{-10} \\ 42 \\ \underline{-40} \\ 2 \end{array}$	$\begin{array}{r} 827 \\ 3 \overline{) 2481} \\ \underline{-24} \\ 008 \\ \underline{-6} \\ 21 \\ \underline{-21} \\ 0 \end{array}$	$\begin{array}{r} 815 \\ 5 \overline{) 4075} \\ \underline{-40} \\ 007 \\ \underline{-5} \\ 25 \\ \underline{-25} \\ 0 \end{array}$	$\begin{array}{r} 713 \\ 7 \overline{) 4996} \\ \underline{-49} \\ 009 \\ \underline{-7} \\ 26 \\ \underline{-21} \\ 5 \end{array}$

4914 ÷ 6 = 819 and remainder 0.	4642 ÷ 5 = 928 and remainder 2.	2481 ÷ 3 = 827 and remainder 0.	4075 ÷ 5 = 815 and remainder 0.	4996 ÷ 7 = 713 and remainder 5.
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10. a.	b.	c.	d.
$\begin{array}{r} 16 \\ 5 \overline{) 80} \\ \underline{-5} \\ 30 \\ \underline{-30} \\ 00 \end{array}$	$\begin{array}{r} 15 \\ 6 \overline{) 90} \\ \underline{-6} \\ 30 \\ \underline{-30} \\ 00 \end{array}$	$\begin{array}{r} 16 \\ 4 \overline{) 65} \\ \underline{-4} \\ 25 \\ \underline{-24} \\ 01 \end{array}$	$\begin{array}{r} 14 \\ 7 \overline{) 98} \\ \underline{-7} \\ 28 \\ \underline{-28} \\ 00 \end{array}$

80 ÷ 5 = 16 and remainder 0.	90 ÷ 6 = 15 and remainder 0.	65 ÷ 4 = 16 and remainder 1.	98 ÷ 7 = 14 and remainder 0.
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11. a.	b.	c.	d.
$\begin{array}{r} 162 \\ 4 \overline{) 648} \\ \underline{-4} \\ 24 \\ \underline{-24} \\ 008 \\ \underline{-8} \\ 0 \end{array}$	$\begin{array}{r} 256 \\ 2 \overline{) 512} \\ \underline{-4} \\ 11 \\ \underline{-10} \\ 12 \\ \underline{-12} \\ 0 \end{array}$	$\begin{array}{r} 149 \\ 5 \overline{) 747} \\ \underline{-5} \\ 24 \\ \underline{-20} \\ 47 \\ \underline{-45} \\ 2 \end{array}$	$\begin{array}{r} 121 \\ 8 \overline{) 974} \\ \underline{-8} \\ 17 \\ \underline{-16} \\ 14 \\ \underline{-8} \\ 6 \end{array}$

648 ÷ 4 = 162 and remainder 0.	512 ÷ 2 = 256 and remainder 0.	747 ÷ 5 = 149 and remainder 2.	974 ÷ 8 = 121 and remainder 6.
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12. a. 
$$\begin{array}{r} 2 \overline{) 458} \\ \underline{-4} \phantom{0} \\ 05 \\ \underline{-4} \\ 18 \\ \underline{-18} \\ 0 \end{array}$$

b. 
$$\begin{array}{r} 6 \overline{) 685} \\ \underline{-6} \phantom{0} \\ 08 \\ \underline{-6} \\ 25 \\ \underline{-24} \\ 1 \end{array}$$

c. 
$$\begin{array}{r} 4 \overline{) 414} \\ \underline{-4} \phantom{0} \\ 01 \\ \underline{-0} \\ 14 \\ \underline{-12} \\ 2 \end{array}$$

d. 
$$\begin{array}{r} 8 \overline{) 864} \\ \underline{-8} \phantom{0} \\ 06 \\ \underline{-0} \\ 64 \\ \underline{-64} \\ 0 \end{array}$$

458 ÷ 2 = 229 and remainder 0.      685 ÷ 6 = 114 and remainder 1.      414 ÷ 4 = 103 and remainder 2.      864 ÷ 8 = 108 and remainder 0.

13. a. 
$$\begin{array}{r} 7 \overline{) 406} \\ \underline{-35} \\ 56 \\ \underline{-56} \\ 0 \end{array}$$

b. 
$$\begin{array}{r} 5 \overline{) 207} \\ \underline{-20} \\ 07 \\ \underline{-5} \\ 2 \end{array}$$

c. 
$$\begin{array}{r} 6 \overline{) 480} \\ \underline{-48} \\ 00 \\ \underline{-0} \\ 0 \end{array}$$

d. 
$$\begin{array}{r} 3 \overline{) 242} \\ \underline{-24} \\ 02 \\ \underline{-0} \\ 2 \end{array}$$

406 ÷ 7 = 58 and remainder 0.      207 ÷ 5 = 41 and remainder 2.      480 ÷ 6 = 80 and remainder 0.      242 ÷ 3 = 80 and remainder 2.

14. a. 
$$\begin{array}{r} 4 \overline{) 7304} \\ \underline{-4} \phantom{00} \\ 33 \\ \underline{-32} \\ 10 \\ \underline{-8} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

b. 
$$\begin{array}{r} 3 \overline{) 2412} \\ \underline{-24} \\ 001 \\ \underline{-0} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$
  
 2412 ÷ 3 = 804 and remainder 0.

c. 
$$\begin{array}{r} 8 \overline{) 8085} \\ \underline{-8} \phantom{00} \\ 00 \\ \underline{-0} \\ 08 \\ \underline{-8} \\ 05 \\ \underline{-0} \\ 5 \end{array}$$

d. 
$$\begin{array}{r} 3 \overline{) 2718} \\ \underline{-27} \\ 001 \\ \underline{-0} \\ 18 \\ \underline{-18} \\ 0 \end{array}$$
  
 2718 ÷ 3 = 906 and remainder 0.

7304 ÷ 4 = 1826 and remainder 0.      8085 ÷ 8 = 1010 and remainder 5.

Do these quickly.

57 ÷ 10    Q = 5    R = 7

66 ÷ 10    Q = 6    R = 6

336 ÷ 10    Q = 33    R = 6

587 ÷ 10    Q = 58    R = 7

1242 ÷ 10    Q = 124    R = 2

7562 ÷ 10    Q = 756    R = 2

475 ÷ 100    Q = 4    R = 75

840 ÷ 100    Q = 8    R = 40

1458 ÷ 100    Q = 14    R = 58

7500 ÷ 100    Q = 75    R = 00

6489 ÷ 1000    Q = 6    R = 489

7562 ÷ 1000    Q = 7    R = 562

**EXERCISE 9B**

Divide.

$$1. \quad a. \quad \begin{array}{r} 11 \overline{) 115} \\ \underline{-11} \phantom{0} \\ 005 \\ \underline{-0} \\ 5 \end{array}$$

 $115 \div 11 = 10$  and remainder 5.

$$b. \quad \begin{array}{r} 12 \overline{) 144} \\ \underline{-12} \phantom{0} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

 $144 \div 12 = 12$  and remainder 0.

$$c. \quad \begin{array}{r} 11 \overline{) 385} \\ \underline{-33} \phantom{0} \\ 55 \\ \underline{-55} \\ 0 \end{array}$$

 $385 \div 11 = 35$  and remainder 0.

$$d. \quad \begin{array}{r} 11 \overline{) 105} \\ \underline{-99} \\ 6 \end{array}$$

 $105 \div 11 = 9$  and remainder 6.

$$2. \quad a. \quad \begin{array}{r} 12 \overline{) 252} \\ \underline{-24} \phantom{0} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

 $252 \div 12 = 21$  and remainder 0.

$$b. \quad \begin{array}{r} 12 \overline{) 367} \\ \underline{-36} \phantom{0} \\ 007 \\ \underline{-0} \\ 7 \end{array}$$

 $367 \div 12 = 30$  and remainder 7.

$$c. \quad \begin{array}{r} 12 \overline{) 744} \\ \underline{-72} \phantom{0} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

 $744 \div 12 = 62$  and remainder 0.

$$d. \quad \begin{array}{r} 12 \overline{) 111} \\ \underline{-108} \\ 3 \end{array}$$

 $111 \div 12 = 9$  and remainder 3.

$$3. \quad a. \quad \begin{array}{r} 13 \overline{) 273} \\ \underline{-26} \phantom{0} \\ 13 \\ \underline{-13} \\ 0 \end{array}$$

 $273 \div 13 = 21$  and remainder 0.

$$b. \quad \begin{array}{r} 13 \overline{) 426} \\ \underline{-39} \phantom{0} \\ 36 \\ \underline{-26} \\ 10 \end{array}$$

 $426 \div 13 = 32$  and remainder 10.

$$c. \quad \begin{array}{r} 13 \overline{) 525} \\ \underline{-52} \phantom{0} \\ 005 \\ \underline{-0} \\ 5 \end{array}$$

 $523 \div 13 = 40$  and remainder 5.

$$d. \quad \begin{array}{r} 13 \overline{) 120} \\ \underline{-117} \\ 3 \end{array}$$

 $120 \div 13 = 9$  and remainder 3.

$$4. \quad a. \quad \begin{array}{r} 14 \overline{) 294} \\ \underline{-28} \phantom{0} \\ 14 \\ \underline{-14} \\ 0 \end{array}$$

 $294 \div 14 = 21$  and remainder 0.

$$b. \quad \begin{array}{r} 14 \overline{) 424} \\ \underline{-42} \phantom{0} \\ 04 \\ \underline{-0} \\ 4 \end{array}$$

 $424 \div 14 = 30$  and remainder 4.

$$c. \quad \begin{array}{r} 14 \overline{) 868} \\ \underline{-84} \phantom{0} \\ 28 \\ \underline{-28} \\ 0 \end{array}$$

 $868 \div 14 = 62$  and remainder 0.

$$d. \quad \begin{array}{r} 14 \overline{) 130} \\ \underline{-126} \\ 4 \end{array}$$

 $130 \div 14 = 9$  and remainder 4.

$$5. \quad a. \quad \begin{array}{r} 15 \overline{) 600} \\ \underline{-60} \phantom{0} \\ 000 \\ \underline{-0} \\ 0 \end{array}$$

 $600 \div 15 = 40$  and remainder 0.

$$b. \quad \begin{array}{r} 15 \overline{) 315} \\ \underline{-30} \phantom{0} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$

 $315 \div 15 = 21$  and remainder 0.

$$c. \quad \begin{array}{r} 15 \overline{) 797} \\ \underline{-75} \phantom{0} \\ 47 \\ \underline{-45} \\ 2 \end{array}$$

 $797 \div 15 = 53$  and remainder 2.

$$d. \quad \begin{array}{r} 15 \overline{) 128} \\ \underline{-120} \\ 8 \end{array}$$

 $128 \div 15 = 8$  and remainder 8.

### EXERCISE 9C

$$\begin{array}{r} 3. \quad \begin{array}{r} 12 \\ 6 \overline{) 72} \\ \underline{-6} \\ 12 \\ \underline{-12} \\ 0 \end{array} \end{array}$$

Sonu need 12 cakes

$$\begin{array}{r} 4. \quad \begin{array}{r} 15 \\ 9 \overline{) 140} \\ \underline{-9} \\ 50 \\ \underline{-45} \\ 5 \end{array} \end{array}$$

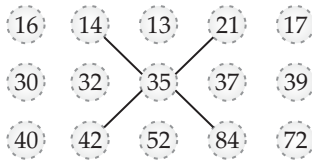
15 flowers were used  
and 5 flowers were left.

$$\begin{array}{r} 5. \quad \begin{array}{r} 18 \\ 6 \overline{) 108} \\ \underline{-6} \\ 48 \\ \underline{-48} \\ 0 \end{array} \end{array}$$

Suraj used 18 pages.

### MENTAL MATHS

Join the numbers that can be divided by 7. (You can only join a number with another in the next row.) Which Roman numeral does the shape remind you of?



Roman numeral is X.

### PRACTICE SHEET-3

Multiply.

- |   |  |   |  |  |
|---|--|---|--|--|
| a. $\begin{array}{r} 45 \\ \times 2 \\ \hline 90 \end{array}$ | b. $\begin{array}{r} 37 \\ \times 7 \\ \hline 259 \end{array}$ | c. $\begin{array}{r} 224 \\ \times 3 \\ \hline 672 \end{array}$ | d. $\begin{array}{r} 506 \\ \times 6 \\ \hline 3036 \end{array}$ | e. $\begin{array}{r} 71 \\ 282 \\ \times 9 \\ \hline 2538 \end{array}$ |
|---|--|---|--|--|
- |  |  |   |   |   |
|--|--|---|---|---|
| a. $\begin{array}{r} 34 \\ \times 60 \\ \hline 2040 \end{array}$ | b. $\begin{array}{r} 42 \\ \times 70 \\ \hline 2940 \end{array}$ | c. $\begin{array}{r} 155 \\ \times 30 \\ \hline 4650 \end{array}$ | d. $\begin{array}{r} 107 \\ \times 90 \\ \hline 9630 \end{array}$ | e. $\begin{array}{r} 24 \\ \times 300 \\ \hline 7200 \end{array}$ |
|--|--|---|---|---|
- |   |  |   |  |  |
|---|--|---|--|--|
| a. $\begin{array}{r} 22 \\ \times 48 \\ \hline 176 \\ 880 \\ \hline 1056 \end{array}$ | b. $\begin{array}{r} 54 \\ \times 75 \\ \hline 270 \\ 3780 \\ \hline 4050 \end{array}$ | c. $\begin{array}{r} 228 \\ \times 23 \\ \hline 684 \\ 4560 \\ \hline 5244 \end{array}$ | d. $\begin{array}{r} 231 \\ \times 36 \\ \hline 1386 \\ 6930 \\ \hline 8316 \end{array}$ | e. $\begin{array}{r} 331 \\ \times 27 \\ \hline 2317 \\ 6620 \\ \hline 8937 \end{array}$ |
|---|--|---|--|--|

4. Divide and check the answer.

a. 
$$\begin{array}{r} 29 \\ 2 \overline{) 59} \\ \underline{-4} \\ 19 \\ \underline{-18} \\ 1 \end{array}$$

Dividend = 59  
Quotient × Divisor  
= 2 × 29 + 1 = 59

b. 
$$\begin{array}{r} 23 \\ 4 \overline{) 95} \\ \underline{-8} \\ 15 \\ \underline{-12} \\ 3 \end{array}$$

Dividend = 95  
Quotient × Divisor  
= 4 × 23 + 3 = 95

c. 
$$\begin{array}{r} 6 \\ 12 \overline{) 72} \\ \underline{-72} \\ 0 \end{array}$$

Dividend = 72  
12 × 6 + 0 = 72

d. 
$$\begin{array}{r} 6 \\ 15 \overline{) 91} \\ \underline{-90} \\ 1 \end{array}$$

Dividend = 91  
15 × 6 + 1 = 91

5. Divide.

a.

		6	7	
3	2	0	1	
-	1	8		
		2	1	
	-	2	1	
		0	0	

b.

	1	0	5	
7	7	3	7	
-	7			
	0	3		
	-	0		
		3	7	
	-	3	5	
		2		

c.

		4	8	1
5	2	4	0	8
-	2	0		
		4	0	
	-	4	0	
		0	0	8
			-	5
				3

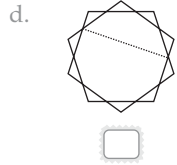
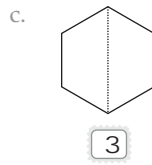
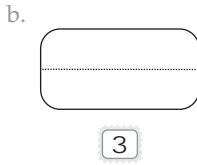
d.

		5	0	9
9	4	5	8	8
-	4	5		
	0	0	8	
		-	0	
			8	8
		-	8	1
				7

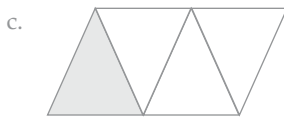
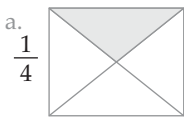
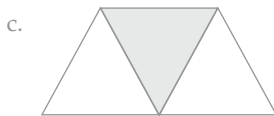
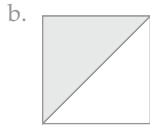
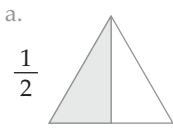
$201 \div 3 = 67$  and  $737 \div 7 = 105$  and remainder 2.      $2408 \div 5 = 481$  and remainder 3.      $4588 \div 9 = 509$  and remainder 7.

**EXERCISE 10A**

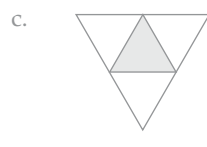
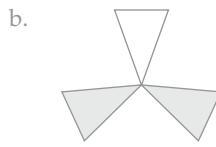
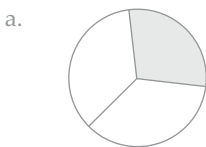
1. Tick the figures that show halves.



2. Colour to show the fractions.

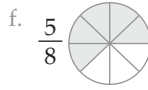
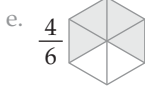
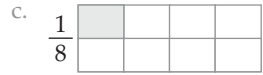


3. Write 'T' for true and 'F' for false.

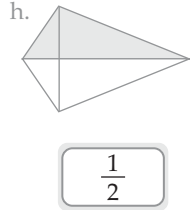
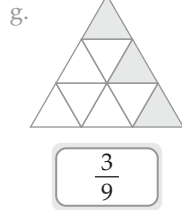
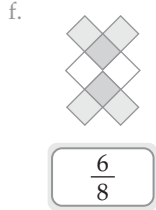
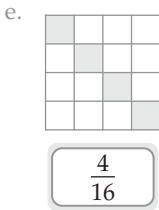
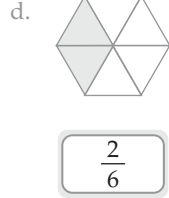
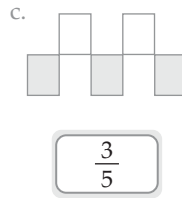
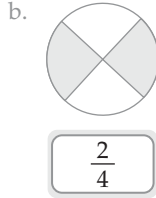
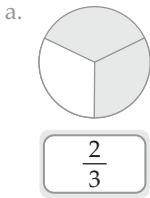


One third is coloured.  T     One third is white.  T     A quarter is white.  F

4. Colour to show the fractions.



5. What fraction is shaded?



6. Fill in.013126087

a.  $\frac{1}{2}$  of 8 = 4   b.  $\frac{1}{2}$  of 10 = 5   c.  $\frac{1}{3}$  of 12 = 4   d.  $\frac{1}{5}$  of 15 = 3   e.  $\frac{1}{9}$  of 27 = 3

f. One third of 21 = 7   g. A quarter of 25 =  $\frac{25}{4}$    h. One sixth of 42 =  $\frac{42}{6}$  = 7

i. In  $\frac{4}{5}$  the numerator is 4 and the denominator is 5.

j. In  $\frac{6}{7}$  the numerator is 6 and the denominator is 7.

k. The fraction whose numerator is 3 and denominator is 8 is  $\frac{3}{8}$ .

l. The fraction whose numerator is 12 and denominator is 17 is  $\frac{12}{17}$ .

**EXERCISE 10B**

2. Quantity of orange juice = 1 litre = 1000 ml.

Total person = Rajat + 3 friends = 4

Each get =  $\frac{1000}{4}$  = 250 ml. of orange juice.

3. Quantity of pizza = 1

Total children = 9

Each child get =  $\frac{1}{9}$  of pizza

4. Neha has sweets = 30

She give them to Asha =  $\frac{1}{3}$  of 30.

$$= \frac{1}{3} \times 30 = 10 \text{ sweets}$$

Sweets were left =  $30 - 10 = 20$  sweets.

5. Pihu has plants = 20

She watered plants =  $\frac{1}{4}$  of 20.

$$= \frac{1}{4} \times 20 = 5$$

So, she have to water =  $20 - 5 = 15$  plants.

6. Total students = 9

Number of girls =  $\frac{1}{3}$  of 9 =  $\frac{1}{3} \times 9 = 3$

Number of boys =  $9 - 3 = 6$

7. Total number of pages = 100

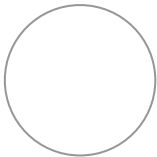
Ajay reads =  $\frac{1}{5}$  of 100.

$$= \frac{1}{5} \times 100 = 20$$

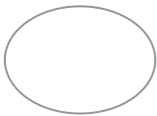
So, Ajay reads 20 pages.

## Chapter 11 Lines and Shapes

Trace over the curved lines  
and name the shapes.



Circle

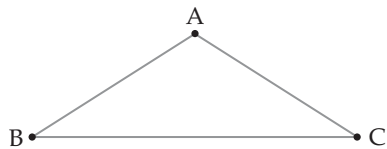


Oval

Draw straight lines between the dots of  
the same colour to get closed shapes.  
Name the shapes you get.



Rectangle

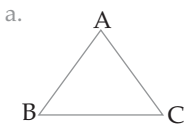


Triangle

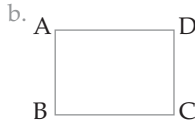


### EXERCISE 11

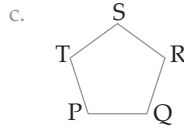
1. Name all the line segments in each shape.



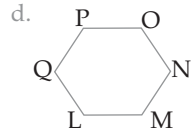
AB, BC, CA



AB, BC, CD,  
DA



PQ, QR, RS,  
ST, TP



LM, MN, NO,  
OP, PQ, QL

2. How many corners, how many sides?



7 corners  
7 sides



no corner  
no side



7 corner  
7 sides



no corner  
no side

3. Fill in.

- In a rectangle, the opposite sides are equal.
- A circle has no sides and no corners.
- A cube has 6 faces and 12 edges.
- A sphere has 1 curved face.
- A cylinder has 2 flat faces, 1 curved face, and 2 edges.
- A cone has 1 curved face and 1 flat face.

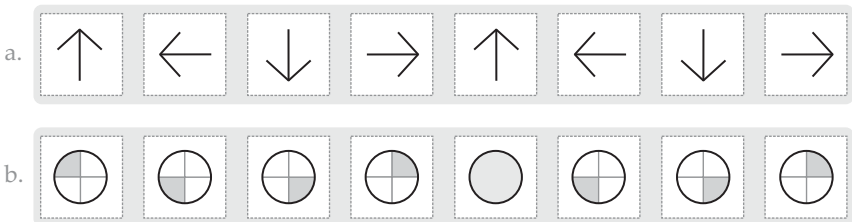
4. Write 'T' for true and 'F' for false.


- The part of a line between two points is called a line segment.
- An oval has just one side.
- All the edges of a cuboid are equal.
- All the edges of a cube are equal.
- You can draw many straight lines through two points.

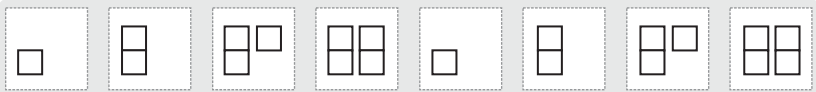
T  
F  
F  
T  
F


### EXERCISE 12


1. Continue the pattern.

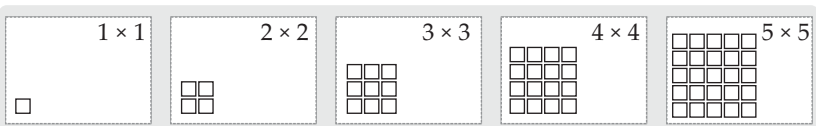


c. 


d. 

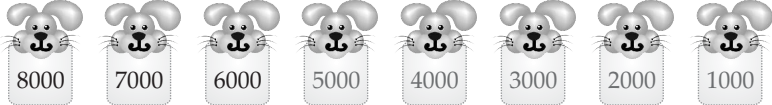
e. 


f. 

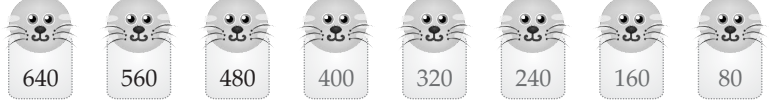
g. 


2. Continue the pattern.

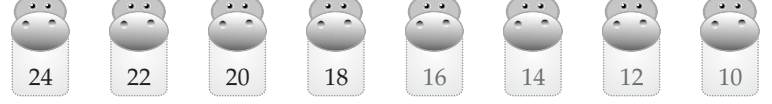
a. 

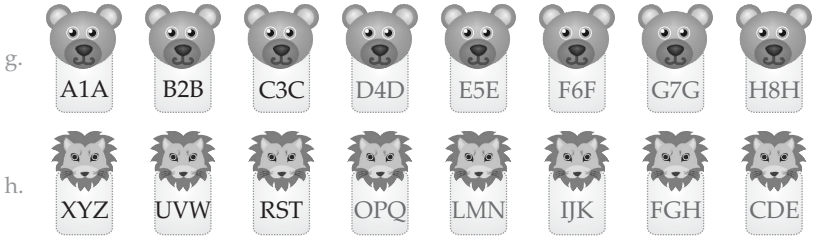
b. 

c. 

d. 

e. 

f. 



Chapter 13 Money

Tick to change money.

		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>
		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

How much money?

Re 0.60	Re 0.85	Rs 2.00	Rs 3.50
Rs 8.00	Rs 12.50	Rs 32.00	Rs 170.00

### EXERCISE 13A

1. Change to paise.

a. ₹ 8 = 800 p

b. ₹ 55 = 5500 p

c. ₹ 80 = 8000 p

d. ₹ 6.50 = 650 p

e. ₹ 15.00 = 1500 p

f. ₹ 75.50 = 7550 p

2. Change to rupees.

a. 2525 p = ₹ 25.25

b. 255 p = ₹ 2.55

c. 40 p = ₹ 0.40

d. 5 p = ₹ 0.05

e. 2800 p = ₹ 28.00

f. 55555 p = ₹ 555.55

g. 82715 p = ₹ 827.15

3. Fill in the blanks.

a. ₹ 6.50 = 650 p

b. ₹ 50 = 5000 p

c. ₹ 68.00 = 6800 p

d. 5000 p = ₹ 50.00

e. 5775 p = ₹ 57.75

f. 8850 p = ₹ 88.50

### EXERCISE 13B

Add.

1. a. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ 30 \\ + 50 \\ \hline 80 \end{array}$$
 b. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ 20 \\ + 35 \\ \hline 55 \end{array}$$
 c. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ 50 \\ + 40 \\ \hline 90 \end{array}$$
 d. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ 2450 \\ + 2235 \\ \hline 4685 \end{array}$$
 e. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ 4560 \\ + 6260 \\ \hline 10820 \end{array}$$
  
Ans. 80 p      Ans. 55 p      Ans. 90 p      Ans. ₹ 46.85      Ans. ₹ 108.20

2. a. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 30.45 \\ + ₹ 230.20 \\ \hline ₹ 260.65 \end{array}$$
 b. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 381.50 \\ + ₹ 223.50 \\ \hline ₹ 605.00 \end{array}$$
 c. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 402.50 \\ + ₹ 227.70 \\ \hline ₹ 630.20 \end{array}$$
 d. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 345.50 \\ + ₹ 515.50 \\ \hline ₹ 861.00 \end{array}$$
  
Ans. ₹ 260.65      Ans. ₹ 605.00      Ans. ₹ 630.20      Ans. ₹ 861.00

3. a. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 2234.35 \\ + ₹ 1245.53 \\ \hline ₹ 3479.88 \end{array}$$
 b. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 206.15 \\ + ₹ 65.30 \\ + ₹ 217.35 \\ \hline ₹ 488.80 \end{array}$$
 c. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 162.30 \\ + ₹ 276.55 \\ + ₹ 157.25 \\ \hline ₹ 596.10 \end{array}$$
 d. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 2538.35 \\ + ₹ 3846.20 \\ + ₹ 1517.45 \\ \hline ₹ 7902.00 \end{array}$$
  
Ans. ₹ 3479.88      Ans. ₹ 488.80      Ans. ₹ 596.10      Ans. ₹ 7902.00

4. a. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 86.45 \\ + ₹ 47.75 \\ \hline ₹ 134.20 \end{array}$$
 b. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 327.75 \\ + ₹ 367.85 \\ \hline ₹ 695.60 \end{array}$$
 c. 
$$\begin{array}{r} \text{₹} \quad \text{P} \\ ₹ 2349.60 \\ + ₹ 4268.40 \\ \hline ₹ 6618.00 \end{array}$$
  
Ans. ₹ 134.20      Ans. ₹ 695.60      Ans. ₹ 6618.00

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 11 \\
 \text{₹ } 25.30 \\
 + \text{₹ } 17.25 \\
 + \text{₹ } 185.00 \\
 \hline
 \text{₹ } 227.55
 \end{array}
 \end{array}$$

Ans. ₹ 227.55

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 1121 \\
 \text{₹ } 5237.20 \\
 + \text{₹ } 647.30 \\
 + \text{₹ } 2225.65 \\
 \hline
 \text{₹ } 8110.15
 \end{array}
 \end{array}$$

Ans. ₹ 8110.15

Subtract.

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 90 \\
 - 55 \\
 \hline
 35
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 60 \\
 - 15 \\
 \hline
 45
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 45.55 \\
 - 25.15 \\
 \hline
 20.40
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 5 \quad 125 \\
 \text{₹ } 86.25 \\
 - \text{₹ } 57.55 \\
 \hline
 \text{₹ } 28.70
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 5 \quad 100 \\
 \text{₹ } 96.00 \\
 - \text{₹ } 49.25 \\
 \hline
 \text{₹ } 46.75
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 535 \quad 145 \\
 \text{₹ } 536.45 \\
 - \text{₹ } 17.55 \\
 \hline
 \text{₹ } 518.90
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 724 \quad 100 \\
 \text{₹ } 725.00 \\
 - \text{₹ } 248.75 \\
 \hline
 \text{₹ } 476.25
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 \text{₹ } 5328.75 \\
 - \text{₹ } 269.40 \\
 \hline
 \text{₹ } 5059.35
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 99 \\
 41010 \quad 125 \\
 \text{₹ } 8500.25 \\
 - \text{₹ } 2249.45 \\
 \hline
 \text{₹ } 6250.80
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 7 \quad 12 \\
 \text{₹ } 148.20 \\
 - \text{₹ } 22.90 \\
 \hline
 \text{₹ } 125.30
 \end{array}
 \end{array}$$

Ans. ₹ 125.30

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 8 \quad 1010 \\
 \text{₹ } 569.00 \\
 - \text{₹ } 237.65 \\
 \hline
 \text{₹ } 331.35
 \end{array}
 \end{array}$$

Ans. ₹ 331.35

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 1116 \\
 2 \quad 16 \quad 15 \\
 \text{₹ } 3327.55 \\
 - \text{₹ } 2149.95 \\
 \hline
 \text{₹ } 1177.60
 \end{array}
 \end{array}$$

Ans. ₹ 1177.60

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 6 \quad 10 \\
 \text{₹ } 147.00 \\
 - \text{₹ } 12.90 \\
 \hline
 \text{₹ } 134.30
 \end{array}
 \end{array}$$

Ans. ₹ 134.30

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 8 \quad 1010 \\
 \text{₹ } 319.00 \\
 - \text{₹ } 116.25 \\
 \hline
 \text{₹ } 202.75
 \end{array}
 \end{array}$$

Ans. ₹ 202.75

$$\begin{array}{r}
 \text{₹ P} \\
 \begin{array}{r}
 999 \\
 5 \quad 1010 \quad 10 \\
 \text{₹ } 6000.00 \\
 - \text{₹ } 265.50 \\
 \hline
 \text{₹ } 5734.50
 \end{array}
 \end{array}$$

Ans. ₹ 5734.50

### EXERCISE 13C

Multiply.

1. a.  $25 \text{ p} \times 3 = 75 \text{ p}$     b.  $40 \text{ p} \times 7 = 280 \text{ p}$     c.  $70 \text{ p} \times 2 = 140 \text{ p}$     d.  $500 \text{ p} \times 5 = 2500 \text{ p}$

e.  $\text{Rs } 7 \times 8 = \text{Rs } 56$     f.  $\text{Rs } 22 \times 3 = \text{Rs } 66$     g.  $\text{Rs } 80 \times 3 = \text{Rs } 240$     h.  $\text{Rs } 300 \times 4 = \text{Rs } 1200$

$$\begin{array}{r}
 \text{Rs } 13.30 \\
 \times \quad 3 \\
 \hline
 \text{Rs } 39.90
 \end{array}$$

Ans. ₹ 39.90

$$\begin{array}{r}
 \text{Rs } 25.15 \\
 \times \quad 5 \\
 \hline
 \text{Rs } 125.75
 \end{array}$$

Ans. ₹ 125.75

$$\begin{array}{r}
 \text{Re } 0.35 \\
 \times \quad 5 \\
 \hline
 \text{Rs } 1.75
 \end{array}$$

Ans. ₹ 1.75

$$\begin{array}{r}
 \text{Rs } 62.50 \\
 \times \quad 7 \\
 \hline
 \text{Rs } 437.50
 \end{array}$$

Ans. ₹ 437.50

$$\begin{array}{r} \phantom{Rs} \overset{3}{6} \overset{2}{7} \overset{2}{.} 55 \\ \times \phantom{Rs} \phantom{.} 5 \\ \hline Rs \ 337.75 \end{array}$$

Ans. ₹ 337.75

$$\begin{array}{r} \phantom{Rs} \overset{4}{8} \overset{3}{0} \overset{.}{.} 75 \\ \times \phantom{Rs} \phantom{.} 6 \\ \hline Rs \ 484.50 \end{array}$$

Ans. ₹ 484.50

$$\begin{array}{r} \phantom{Rs} 202.00 \\ \times \phantom{Rs} \phantom{.} 3 \\ \hline Rs \ 606.00 \end{array}$$

Ans. ₹ 606.00

$$\begin{array}{r} \phantom{Rs} \overset{3}{1} \overset{3}{5} \overset{3}{.} 85 \\ \times \phantom{Rs} \phantom{.} 6 \\ \hline Rs \ 935.10 \end{array}$$

Ans. ₹ 935.10

$$\begin{array}{r} \phantom{Rs} \phantom{.} 85P \\ \times 7 \\ \hline \phantom{Rs} 595P \end{array}$$

Ans. 595 P

$$\begin{array}{r} \phantom{Rs} \phantom{.} 46 \\ \times 6 \\ \hline \phantom{Rs} 276 \end{array}$$

Ans. ₹ 276

$$\begin{array}{r} \phantom{Re} \overset{4}{0} \overset{2}{.} 85 \\ \times 5 \\ \hline \phantom{Re} 4.25 \end{array}$$

Ans. ₹ 4.25

$$\begin{array}{r} \phantom{Rs} \overset{2}{1} 7.00 \\ \times 4 \\ \hline \phantom{Rs} 68.00 \end{array}$$

Ans. ₹ 68.00

$$\begin{array}{r} \phantom{₹} \overset{5}{3} \overset{3}{6} \overset{4}{.} 35 \\ \times 9 \\ \hline \phantom{₹} 327.15 \end{array}$$

Ans. 327.15

$$\begin{array}{r} \phantom{₹} \overset{2}{7} \overset{3}{3} \overset{.}{.} 50 \\ \times 7 \\ \hline \phantom{₹} 514.50 \end{array}$$

Ans. ₹ 514.50

$$\begin{array}{r} \phantom{₹} \overset{1}{3} \overset{1}{5} \overset{1}{.} 65 \\ \times 3 \\ \hline \phantom{₹} 1051.95 \end{array}$$

Ans. ₹ 1051.95

$$\begin{array}{r} \phantom{₹} \overset{4}{8} \overset{1}{0} \overset{2}{.} 25 \\ \times 5 \\ \hline \phantom{₹} 4041.25 \end{array}$$

Ans. ₹ 4041.25

### EXERCISE 13D

1. a.  $35 \text{ p} \div 7 = 5 \text{ p}$  b.  $600 \text{ p} \div 6 = 100 \text{ p}$  c.  $Rs \ 12 \div 2 = Rs \ 6$  d.  $Rs \ 48 \div 8 = Rs \ 6$   
 e.  $Rs \ 42 \div 6 = Rs \ 7$  f.  $Rs \ 28 \div 7 = Rs \ 4$  g.  $Rs \ 56 \div 8 = Rs \ 7$  h.  $Rs \ 800 \div 8 = Rs \ 100$

$$\begin{array}{r} \phantom{Rs} \phantom{.} 810 \\ \phantom{Rs} \phantom{.} 4050 \\ - \phantom{Rs} \phantom{.} 40 \\ \phantom{Rs} \phantom{.} 005 \\ - \phantom{Rs} \phantom{.} 5 \\ \phantom{Rs} \phantom{.} 00 \\ - \phantom{Rs} \phantom{.} 0 \\ \phantom{Rs} \phantom{.} 0 \end{array}$$

Ans. 8.10

$$\begin{array}{r} \phantom{Rs} \phantom{.} 605 \\ \phantom{Rs} \phantom{.} 63630 \\ - \phantom{Rs} \phantom{.} 36 \\ \phantom{Rs} \phantom{.} 003 \\ - \phantom{Rs} \phantom{.} 0 \\ \phantom{Rs} \phantom{.} 30 \\ - \phantom{Rs} \phantom{.} 30 \\ \phantom{Rs} \phantom{.} 00 \end{array}$$

Ans. ₹ 6.05

$$\begin{array}{r} \phantom{Rs} \phantom{.} 610 \\ \phantom{Rs} \phantom{.} 42440 \\ - \phantom{Rs} \phantom{.} 24 \\ \phantom{Rs} \phantom{.} 004 \\ - \phantom{Rs} \phantom{.} 4 \\ \phantom{Rs} \phantom{.} 00 \\ - \phantom{Rs} \phantom{.} 0 \\ \phantom{Rs} \phantom{.} 0 \end{array}$$

Ans. ₹ 6.10

$$\begin{array}{r} \phantom{Rs} \phantom{.} 605 \\ \phantom{Rs} \phantom{.} 84840 \\ - \phantom{Rs} \phantom{.} 48 \\ \phantom{Rs} \phantom{.} 04 \\ - \phantom{Rs} \phantom{.} 0 \\ \phantom{Rs} \phantom{.} 40 \\ - \phantom{Rs} \phantom{.} 40 \\ \phantom{Rs} \phantom{.} 00 \end{array}$$

Ans. ₹ 6.05

$$\begin{array}{r} \phantom{Rs} \phantom{p} \phantom{.} 610 \\ \phantom{Rs} \phantom{p} \phantom{.} 53050 \\ - \phantom{Rs} \phantom{p} \phantom{.} 30 \\ \phantom{Rs} \phantom{p} \phantom{.} 005 \\ - \phantom{Rs} \phantom{p} \phantom{.} 5 \\ \phantom{Rs} \phantom{p} \phantom{.} 00 \\ - \phantom{Rs} \phantom{p} \phantom{.} 0 \\ \phantom{Rs} \phantom{p} \phantom{.} 0 \end{array}$$

Ans. ₹ 6.10

$$\begin{array}{r} \phantom{Rs} \phantom{p} \phantom{.} 210 \\ \phantom{Rs} \phantom{p} \phantom{.} 61260 \\ - \phantom{Rs} \phantom{p} \phantom{.} 12 \\ \phantom{Rs} \phantom{p} \phantom{.} 006 \\ - \phantom{Rs} \phantom{p} \phantom{.} 6 \\ \phantom{Rs} \phantom{p} \phantom{.} 00 \\ - \phantom{Rs} \phantom{p} \phantom{.} 0 \\ \phantom{Rs} \phantom{p} \phantom{.} 0 \end{array}$$

Ans. ₹ 2.10

$$\begin{array}{r} \phantom{Rs} \phantom{p} \phantom{.} 220 \\ \phantom{Rs} \phantom{p} \phantom{.} 4880 \\ - \phantom{Rs} \phantom{p} \phantom{.} 8 \\ \phantom{Rs} \phantom{p} \phantom{.} 08 \\ - \phantom{Rs} \phantom{p} \phantom{.} 8 \\ \phantom{Rs} \phantom{p} \phantom{.} 00 \\ - \phantom{Rs} \phantom{p} \phantom{.} 0 \\ \phantom{Rs} \phantom{p} \phantom{.} 0 \end{array}$$

Ans. ₹ 2.20

4. a. 
$$\begin{array}{r} \text{₹ } 16.05 \\ 3 \overline{) \text{₹ } 48.15} \\ \underline{-3} \\ 18 \\ \underline{-18} \\ 001 \\ \underline{-0} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$
      b. 
$$\begin{array}{r} \text{₹ } 5.01 \\ 5 \overline{) \text{₹ } 25.05} \\ \underline{-25} \\ 000 \\ \underline{-0} \\ 05 \\ \underline{-5} \\ 0 \end{array}$$
      c. 
$$\begin{array}{r} \text{₹ } 9.00 \\ 9 \overline{) \text{₹ } 81.00} \\ \underline{-81} \\ 000 \\ \underline{-0} \\ 00 \\ \underline{-0} \\ 0 \end{array}$$
      d. 
$$\begin{array}{r} \text{₹ } 12.00 \\ 2 \overline{) \text{₹ } 24.00} \\ \underline{-2} \\ 04 \\ \underline{-4} \\ 00 \\ \underline{-0} \\ 00 \\ \underline{-0} \\ 0 \end{array}$$
- Ans. ₹ 16.05      Ans. ₹ 5.01      Ans. ₹ 9.00      Ans. ₹ 12.00
- e. 
$$\begin{array}{r} \text{₹ } 12.15 \\ 5 \overline{) \text{₹ } 60.75} \\ \underline{-5} \\ 10 \\ \underline{-10} \\ 07 \\ \underline{-5} \\ 25 \\ \underline{-25} \\ 0 \end{array}$$
      f. 
$$\begin{array}{r} \text{₹ } 9.05 \\ 6 \overline{) \text{₹ } 54.30} \\ \underline{-54} \\ 003 \\ \underline{-0} \\ 30 \\ \underline{-30} \\ 0 \end{array}$$
      g. 
$$\begin{array}{r} \text{₹ } 9.05 \\ 8 \overline{) \text{₹ } 72.40} \\ \underline{-72} \\ 004 \\ \underline{-0} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$
      h. 
$$\begin{array}{r} \text{₹ } 6.05 \\ 7 \overline{) \text{₹ } 42.35} \\ \underline{-42} \\ 003 \\ \underline{-0} \\ 35 \\ \underline{-35} \\ 0 \end{array}$$
- Ans. ₹ 12.15      Ans. ₹ 9.05      Ans. ₹ 9.05      Ans. ₹ 6.05

### EXERCISE 13E

1.

<b>RAJ BOOK STORE</b>			
Name : .....			No. 01
S.No.	Item	Quantity	Amount (₹)
1.	Book	1	40.50
2.	Note book	1	39.75
3.	Pen	1	22.00
<b>Total (₹)</b>			102.25
Rupees one hundred two and twenty five paise.			

2.

$\begin{array}{r} \text{₹ } 500 \\ \underline{-\text{₹ } 375} \\ \text{₹ } 125 \end{array}$
---

Shopkeeper  
return ₹ 125

3.

$\begin{array}{r} \text{₹ } 15 \\ \underline{\times 6} \\ \text{₹ } 90 \end{array}$
---

Dinesh pay ₹ 90.

4.

$\begin{array}{r} \text{₹ } 60 \\ 6 \overline{) \text{₹ } 360} \\ \underline{-36} \\ 00 \\ \underline{-0} \\ 0 \end{array}$
---

Nutan sell each pot for ₹ 60.

5. Do these sums in your notebook.

a.

FURNITURE STORE			
Name : .....			No. 02
S.No.	Item	Quantity	Amount (₹)
1.	Chair	1	1300
2.	Table	1	2470
3.	Cupboard	1	4785
Total (₹)			8555
Rupees eight thousand five hundred and fifty-five.			

b.

$$\begin{array}{r} \phantom{₹} \overset{1}{5} \overset{1}{1}. \overset{1}{0} \overset{0}{0} \\ + ₹ 100.50 \\ + ₹ 250.75 \\ \hline ₹ 402.25 \end{array}$$

Divya get ₹ 402.25 in all.

c.

$$\begin{array}{r} \phantom{₹} \overset{4}{9} \overset{10}{5} \overset{0}{0} \\ - ₹ 125 \\ \hline ₹ 825 \end{array}$$

Mamta's sari cost is ₹ 825.

d.

$$\begin{array}{r} \phantom{₹} \overset{1}{4} \overset{1}{5} \\ + ₹ 125 \\ + ₹ 75 \\ \hline ₹ 245 \end{array}$$

Mr. Gupta left with ₹ 5.

$$\begin{array}{r} \phantom{₹} \overset{4}{2} \overset{10}{5} \overset{0}{0} \\ - ₹ 245 \\ \hline ₹ 005 \end{array}$$

e.

$$\begin{array}{r} \phantom{₹} \overset{3}{1} \overset{2}{4} \overset{3}{6} \overset{5}{5} \\ \times 7 \\ \hline ₹ 1005.55 \end{array}$$

Ravi earns ₹ 1005.55 in a week.

f.

$$\begin{array}{r} \phantom{₹} \overset{1}{2} \overset{1}{4} \overset{3}{3} \\ \times 4 \\ \hline ₹ 972 \end{array}$$

Ravi's car cost is ₹ 972.

g.

$$\begin{array}{r} 31 \\ 8 \overline{) 248} \\ \underline{-24} \phantom{0} \\ 008 \\ \underline{-8} \\ 0 \end{array}$$

There were 31 students in the group.

### PRACTICE SHEET-4

1. Match.

$\frac{1}{2}$	
$\frac{1}{3}$	
$\frac{2}{3}$	
$\frac{1}{4}$	
$\frac{3}{4}$	

2. Colour to show the fractions.

$\frac{2}{3}$	
$\frac{1}{3}$	
$\frac{1}{4}$	
$\frac{3}{4}$	
$\frac{1}{2}$	



3. Fill in.

a. You can draw one straight line joining two points.

b. In a square, all sides are equal.

c. A cuboid has 6 faces and 12 edges.

d. A cylinder has 2 flat faces, 1 curved face and 2 edges.

e.  $50 \text{ p} = \text{Re } \underline{0.50}$

f.  $\text{Rs } 52.50 = \underline{5250} \text{ p}$

g.  $5300 \text{ p} = \text{Rs } \underline{53.00}$

h.  $\frac{1}{2}$  of  $6 = \underline{3}$

i.  $\frac{1}{3}$  of  $18 = \underline{6}$

j.  $\frac{1}{6}$  of  $6 = \underline{1}$

Do these sums in your notebook.

4. a. 
$$\begin{array}{r} \phantom{₹} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \\ + ₹ \phantom{00} \phantom{00} \phantom{00} \\ \hline ₹ \phantom{00} \phantom{00} \phantom{00} \end{array}$$

Ans. ₹ 161.25

b. 
$$\begin{array}{r} \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \\ + ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ + ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \hline ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \end{array}$$

Ans. ₹ 5716.15

5. a. 
$$\begin{array}{r} \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \\ ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ - ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \hline ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \end{array}$$

Ans. ₹ 32.50

b. 
$$\begin{array}{r} \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ - ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \hline ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \end{array}$$

Ans. ₹ 3718.75

6. a. 
$$\begin{array}{r} \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \\ ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \times \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \hline ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \end{array}$$

Ans. ₹ 353.10

b. 
$$\begin{array}{r} \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \times \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \hline ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \end{array}$$

Ans. ₹ 2159.75

7. a. 
$$\begin{array}{r} ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ 5 \overline{) ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} } \\ \underline{-5} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{-20} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{-20} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{-20} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{0} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \end{array}$$

Ans. ₹ 14.04

b. 
$$\begin{array}{r} ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ 4 \overline{) ₹ \phantom{00} \phantom{00} \phantom{00} \phantom{00} } \\ \underline{-4} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{-24} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{04} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{-4} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{-00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \phantom{₹} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \\ \underline{0} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \phantom{00} \end{array}$$

Ans. ₹ 16.10

**EXERCISE 14A**

1. Write the time as shown.

a.



7 o'clock

b.



4 o'clock

c.



9 o'clock

d.



12 o'clock

e.



11 o'clock

2. Write the time as shown.

a.



3 : 05

b.



10 : 10

c.



4 : 15

d.



5 : 20

e.



9 : 25

f.



11 : 30

g.



12 : 35

h.



2 : 40

i.



8 : 45

j.



12 : 50

3. Write the time as shown.

a.



quarter past six

b.



20 minutes past two

c.



5 minutes past ten

d.



quarter to eight

e.



half past five

f.



quarter to twelve

g.



35 minutes past one

h.



quarter past three

**EXERCISE 14B**

1. Fill in.

a. 5 hours = 300 minutes

b. 3 days = 72 hours

c. 4 weeks = 28 days

d. 2 months = 60 days

e. 6 minutes = 360 seconds

f. 2 week = 336 hours

2. Change.

a. 1 hour = 60 minutes

∴ 4 hours =  $4 \times 60$  minutes  
= 240 minutes

- b. 1 hour = 60 minutes  
 $\therefore$  3 hours =  $3 \times 60$  minutes = 180 minutes  
 $\therefore$  3 hours 10 minutes = 180 minutes + 10 minutes  
= 190 minutes
- c. 1 minute = 60 seconds  
 $\therefore$  3 minutes =  $3 \times 60$  seconds  
= 180 seconds
- d. 1 minute = 60 seconds  
 $\therefore$  8 minutes =  $8 \times 60$  seconds = 480 seconds  
 $\therefore$  8 minutes 25 seconds = 480 seconds + 25 seconds  
= 505 seconds
- e. 1 day = 24 hours  
 $\therefore$  7 days =  $7 \times 24$  hours  
= 168 hours
- f. 1 day = 24 hours  
 $\therefore$  8 days =  $8 \times 24$  hours = 192 hours  
 $\therefore$  8 days 25 hours = 192 hours + 25 hours  
= 217 hours
- g. 1 week = 7 days  
 $\therefore$  6 weeks =  $6 \times 7$  days = 42 days
- h. 1 week = 7 days  
 $\therefore$  6 weeks =  $6 \times 7$  days = 42 days  
 $\therefore$  6 weeks 3 days = 42 days + 3 days  
= 45 days
- i. 1 month = 30 days  
 $\therefore$  6 months =  $6 \times 30$  days  
= 180 days
- j. 1 month = 30 days  
 $\therefore$  4 months =  $4 \times 30$  days = 120 days  
 $\therefore$  4 months 15 days = 120 days + 15 days  
= 135 days
- k. 1 day = 24 hours  
 $\therefore$  3 days =  $3 \times 24$  hours = 72 hours  
 $\therefore$  3 days 2 hours = 72 hours + 2 hours  
= 74 hours
- l. 1 hour = 60 minutes  
 $\therefore$  7 hours =  $7 \times 60$  minutes = 420 minutes  
 $\therefore$  7 hours 20 minutes = 420 minutes + 20 minutes  
= 440 minutes.

- m. 1 week = 7 days  
 1 day = 24 hours  
 $\therefore$  1 week =  $7 \times 24$  hours  
           = 168 hours  
 $\therefore$  3 weeks =  $3 \times 168$  hours  
               = 504 hours
- n. 1 month = 30 days  
 $\therefore$  5 months =  $5 \times 30$  days = 150 days  
       1 week = 7 days  
 $\therefore$  2 weeks =  $2 \times 7$  days = 14 days  
 $\therefore$  5 months 2 weeks = 150 days + 14 days  
                           = 164 days

## Chapter 15 Measures of Length

### EXERCISE 15A

Change into centimetres.

1. a. 2 m = 200 cm    b. 5 m = 500 cm    c. 14 m = 1400 cm    d. 58 m = 5800 cm

2. a. 1 m = 100 cm  
 $\therefore$  3 m =  $3 \times 100$  cm  
           = 300 cm  
 $\therefore$  3 m 80 cm = 300 cm + 80 cm  
                   = 380 cm

b. 1 m = 100 cm  
 $\therefore$  17 m =  $17 \times 100$  cm  
           = 1700 cm  
 $\therefore$  17 m 60 cm = 1700 cm + 60 cm  
                   = 1760 cm

c. 1 m = 100 cm  
 $\therefore$  25 m =  $25 \times 100$  cm  
           = 2500 cm  
 $\therefore$  25 m 28 cm = 2500 cm + 28 cm  
                   = 2528 cm

d. 1 m = 100 cm  
 $\therefore$  33 m =  $33 \times 100$  cm  
           = 3300 cm  
 $\therefore$  33 m 10 cm = 3300 cm + 10 cm  
                   = 3310 cm

e. 1 m = 100 cm  
 $\therefore$  88 m =  $88 \times 100$  cm  
           = 8800 cm  
 $\therefore$  88 m 8 cm = 8800 cm + 8 cm  
                   = 8808 cm

3. Change into metres.

a. 600 cm = 6 m    b. 800 cm = 8 m    c. 1500 cm = 15 m    d. 5200 cm = 52 m

4. Change into metres and centimetres.

a. 
$$\begin{array}{r} 4 \\ 100 \overline{) 432} \\ \underline{-400} \\ 32 \end{array}$$
  
 $\therefore$  432 cm = 4 m 32 cm

b. 
$$\begin{array}{r} 7 \\ 100 \overline{) 768} \\ \underline{-700} \\ 68 \end{array}$$
  
 $\therefore$  768 cm = 7 m 68 cm

c. 
$$\begin{array}{r} 5 \\ 100 \overline{) 555} \\ \underline{-500} \\ 55 \end{array}$$
  
 $\therefore$  555 cm = 5 m 55 cm

$$\begin{array}{r} \text{d.} \quad \frac{12}{100 \overline{) 1225}} \\ \underline{-100} \\ 225 \\ \underline{-200} \\ 25 \end{array}$$

$$\begin{aligned} \therefore 1225 \text{ cm} \\ = 12 \text{ m } 25 \text{ cm} \end{aligned}$$

$$\begin{array}{r} \text{e.} \quad \frac{68}{100 \overline{) 6872}} \\ \underline{-600} \\ 872 \\ \underline{-800} \\ 72 \end{array}$$

$$\begin{aligned} \therefore 6872 \text{ cm} \\ = 68 \text{ m } 72 \text{ cm} \end{aligned}$$

$$\begin{array}{r} \text{f.} \quad \frac{12}{100 \overline{) 2018}} \\ \underline{-200} \\ 18 \\ \underline{-0} \\ 18 \end{array}$$

$$\begin{aligned} \therefore 2018 \text{ cm} \\ = 20 \text{ m } 18 \text{ cm} \end{aligned}$$

Change into metres.

5. a. 5 km = 5000 m   b. 8 km = 8000 m   c. 75 km = 75000 m   d. 80 km = 80000 m

6. a. 1 km = 1000 m

$$\begin{aligned} \therefore 4 \text{ km} &= 4 \times 1000 \text{ m} \\ &= 4000 \text{ m} \end{aligned}$$

$$\begin{aligned} \therefore 4 \text{ km } 143 \text{ m} &= 4000 \text{ m} + 143 \text{ m} \\ &= 4143 \text{ m} \end{aligned}$$

b. 1 km = 1000 m

$$\begin{aligned} \therefore 8 \text{ km} &= 8 \times 1000 \text{ m} \\ &= 8000 \text{ m} \end{aligned}$$

$$\begin{aligned} \therefore 8 \text{ km } 332 \text{ m} &= 8000 \text{ m} + 332 \text{ m} \\ &= 8332 \text{ m} \end{aligned}$$

c. 1 km = 1000 m

$$\begin{aligned} \therefore 5 \text{ km} &= 5 \times 1000 \text{ m} \\ &= 5000 \text{ m} \end{aligned}$$

$$\begin{aligned} \therefore 5 \text{ km } 48 \text{ m} &= 5000 \text{ m} + 48 \text{ m} \\ &= 5048 \text{ m} \end{aligned}$$

d. 1 km = 1000 m

$$\begin{aligned} \therefore 6 \text{ km} &= 6 \times 1000 \text{ m} \\ &= 6000 \text{ m} \end{aligned}$$

$$\begin{aligned} \therefore 6 \text{ km } 8 \text{ m} &= 6000 \text{ m} + 8 \text{ m} \\ &= 6008 \text{ m} \end{aligned}$$

e. 1 km = 1000 m

$$\begin{aligned} \therefore 9 \text{ km} &= 9 \times 1000 \text{ m} \\ &= 9000 \text{ m} \end{aligned}$$

$$\begin{aligned} \therefore 9 \text{ km } 2 \text{ m} &= 9000 \text{ m} + 2 \text{ m} \\ &= 9002 \text{ m} \end{aligned}$$

7. Change into kilometres.

a. 4000 m = 4 km   b. 7000 m = 7 km   c. 8000 m = 8 km   d. 9000 m = 9 km

8. Change into kilometres and metres.

$$\begin{array}{r} \text{a.} \quad \frac{2}{1000 \overline{) 2233}} \\ \underline{-2000} \\ 233 \end{array}$$

$$\begin{aligned} \therefore 2233 \text{ m} \\ = 2 \text{ km } 233 \text{ m} \end{aligned}$$

$$\begin{array}{r} \text{b.} \quad \frac{2}{1000 \overline{) 2875}} \\ \underline{-2000} \\ 875 \end{array}$$

$$\begin{aligned} \therefore 2875 \text{ m} \\ = 2 \text{ km } 875 \text{ m} \end{aligned}$$

$$\begin{array}{r} \text{c.} \quad \frac{5}{1000 \overline{) 5468}} \\ \underline{-5000} \\ 468 \end{array}$$

$$\begin{aligned} \therefore 5468 \text{ m} \\ = 5 \text{ km } 468 \text{ m} \end{aligned}$$

$$\begin{array}{r} \text{d.} \quad \frac{4}{1000 \overline{) 4700}} \\ \underline{-4000} \\ 700 \end{array}$$

$$\begin{aligned} \therefore 4700 \text{ m} \\ = 4 \text{ km } 700 \text{ m} \end{aligned}$$

$$\begin{array}{r} \text{e.} \quad \frac{6}{1000 \overline{) 6060}} \\ \underline{-6000} \\ 60 \end{array}$$

$$\begin{aligned} \therefore 6060 \text{ m} \\ = 6 \text{ km } 60 \text{ m} \end{aligned}$$

$$\begin{array}{r} \text{f.} \quad \frac{8}{1000 \overline{) 8005}} \\ \underline{-8000} \\ 5 \end{array}$$

$$\begin{aligned} \therefore 8005 \text{ m} \\ = 8 \text{ km } 5 \text{ m} \end{aligned}$$

### EXERCISE 15B

Add.

1. a. 
$$\begin{array}{r} \text{cm} \\ 1 \\ 29 \\ + 36 \\ \hline 65 \end{array}$$
 b. 
$$\begin{array}{r} \text{m} \\ 1 \quad 1 \\ 543 \\ + 289 \\ \hline 832 \end{array}$$
 c. 
$$\begin{array}{r} \text{km} \\ 1 \\ 37 \\ + 58 \\ \hline 95 \end{array}$$
 d. 
$$\begin{array}{r} \text{m} \quad \text{cm} \\ 1 \\ 2352 \\ + 4128 \\ \hline 6480 \end{array}$$
 e. 
$$\begin{array}{r} \text{km} \quad \text{m} \\ 1 \quad 1 \\ 5258 \\ + 3164 \\ \hline 8422 \end{array}$$

Ans. 65 cm    Ans. 832 m    Ans. 95 km    Ans. 64 m 80 cm    Ans. 8 km 422 m

2. a. 
$$\begin{array}{r} 1 \\ 35 \text{ cm} \\ + 15 \text{ cm} \\ \hline 50 \text{ cm} \end{array}$$
 b. 
$$\begin{array}{r} 1 \\ 67 \text{ cm} \\ + 18 \text{ cm} \\ \hline 85 \text{ cm} \end{array}$$
 c. 
$$\begin{array}{r} 1 \\ 26 \text{ cm} \\ + 30 \text{ cm} \\ + 4 \text{ cm} \\ \hline 60 \text{ cm} \end{array}$$
 d. 
$$\begin{array}{r} 1 \\ 59 \text{ cm} \\ + 37 \text{ cm} \\ \hline 96 \text{ cm} \end{array}$$

Ans. 50 cm

Ans. 85 cm

Ans. 60 cm

Ans. 96 cm

e. 
$$\begin{array}{r} 1 \\ 152 \text{ m} \\ + 487 \text{ m} \\ \hline 639 \text{ m} \end{array}$$
 f. 
$$\begin{array}{r} 1 \quad 1 \\ 175 \text{ m} \\ + 246 \text{ m} \\ \hline 421 \text{ m} \end{array}$$
 g. 
$$\begin{array}{r} 1 \\ 28 \text{ km} \\ + 35 \text{ km} \\ \hline 63 \text{ km} \end{array}$$
 h. 
$$\begin{array}{r} 1 \quad 1 \\ 279 \text{ km} \\ + 368 \text{ km} \\ \hline 647 \text{ km} \end{array}$$

Ans. 639 m

Ans. 421 m

Ans. 63 km

Ans. 647 km

3. a. 
$$\begin{array}{r} 1 \quad 1 \\ 68 \text{ m } 36 \text{ cm} \\ + 97 \text{ m } 37 \text{ cm} \\ \hline 165 \text{ m } 73 \text{ cm} \end{array}$$
 b. 
$$\begin{array}{r} 1 \\ 228 \text{ m } 50 \text{ cm} \\ + 456 \text{ m } 49 \text{ cm} \\ \hline 684 \text{ m } 99 \text{ cm} \end{array}$$
 c. 
$$\begin{array}{r} 1 \quad 1 \\ 65 \text{ m } 02 \text{ cm} \\ + 28 \text{ m } 20 \text{ cm} \\ + 6 \text{ m } 28 \text{ cm} \\ \hline 99 \text{ m } 50 \text{ cm} \end{array}$$
 d. 
$$\begin{array}{r} 1 \quad 1 \quad 2 \\ 376 \text{ m } 07 \text{ cm} \\ + 54 \text{ m } 35 \text{ cm} \\ + 8 \text{ m } 28 \text{ cm} \\ \hline 438 \text{ m } 70 \text{ cm} \end{array}$$

Ans. 165 m 73 cm    Ans. 684 m 99 cm

Ans. 99 m 50 cm

Ans. 438 m 70 cm

4. a. 
$$\begin{array}{r} 1 \quad 1 \\ 47 \text{ km } 341 \text{ m} \\ + 12 \text{ km } 469 \text{ m} \\ \hline 59 \text{ km } 810 \text{ m} \end{array}$$
 b. 
$$\begin{array}{r} 1 \quad 1 \\ 185 \text{ km } 275 \text{ m} \\ + 357 \text{ km } 625 \text{ m} \\ \hline 542 \text{ km } 900 \text{ m} \end{array}$$

Ans. 59 km 810 m

Ans. 542 km 900 m

c. 
$$\begin{array}{r} 1 \quad 1 \\ 819 \text{ km } 229 \text{ m} \\ + 75 \text{ km } 38 \text{ m} \\ \hline 894 \text{ km } 267 \text{ m} \end{array}$$
 d. 
$$\begin{array}{r} 1 \quad 1 \\ 767 \text{ km } 503 \text{ m} \\ + 32 \text{ km } 174 \text{ m} \\ + 43 \text{ m} \\ \hline 799 \text{ km } 720 \text{ m} \end{array}$$

Ans. 894 km 267 m

Ans. 799 km 720 m

Subtract.

5. a. 
$$\begin{array}{r} \text{cm} \\ 2 \quad 17 \\ 37 \\ - 19 \\ \hline 18 \end{array}$$
 b. 
$$\begin{array}{r} \text{m} \\ 4 \quad 15 \\ 55 \\ - 26 \\ \hline 29 \end{array}$$
 c. 
$$\begin{array}{r} \text{km} \\ 6 \quad 11 \\ 71 \\ - 23 \\ \hline 48 \end{array}$$
 d. 
$$\begin{array}{r} \text{m} \quad \text{cm} \\ 4 \quad 13 \quad 3 \quad 12 \\ 53 \quad 42 \\ - 27 \quad 25 \\ \hline 26 \quad 17 \end{array}$$
 e. 
$$\begin{array}{r} \text{km} \quad \text{m} \\ 5 \quad 13 \quad 6 \quad 1 \quad 11 \\ 63 \quad 72 \quad 1 \\ - 27 \quad 45 \quad 7 \\ \hline 36 \quad 26 \quad 4 \end{array}$$

Ans. 18 cm

Ans. 29 m

Ans. 48 km

Ans. 26 m 17 cm

Ans. 36 km 264 m

$$\begin{array}{r} 4 \text{ } 12 \\ 5 \text{ } 2 \text{ cm} \\ - 2 \text{ } 7 \text{ cm} \\ \hline 2 \text{ } 5 \text{ cm} \end{array}$$

Ans. 25 cm

$$\begin{array}{r} 3 \text{ } 14 \\ 4 \text{ } 4 \text{ cm} \\ - 3 \text{ } 6 \text{ cm} \\ \hline 8 \text{ cm} \end{array}$$

Ans. 8 cm

$$\begin{array}{r} 6 \text{ } 13 \\ 7 \text{ } 3 \text{ cm} \\ - 1 \text{ } 4 \text{ cm} \\ \hline 5 \text{ } 9 \text{ cm} \end{array}$$

Ans. 59 cm

$$\begin{array}{r} 8 \text{ } 12 \\ 9 \text{ } 2 \text{ cm} \\ - 4 \text{ } 5 \text{ cm} \\ \hline 4 \text{ } 7 \text{ cm} \end{array}$$

Ans. 47 cm

$$\begin{array}{r} 16 \\ 3 \text{ } 6 \text{ } 18 \\ 4 \text{ } 7 \text{ } 8 \text{ m} \\ - 2 \text{ } 7 \text{ } 9 \text{ m} \\ \hline 1 \text{ } 9 \text{ } 9 \text{ m} \end{array}$$

Ans. 199 m

$$\begin{array}{r} 3 \text{ } 12 \\ 4 \text{ } 2 \text{ km} \\ - 2 \text{ } 8 \text{ km} \\ \hline 1 \text{ } 4 \text{ km} \end{array}$$

Ans. 14 km

$$\begin{array}{r} 6 \text{ } 15 \\ 7 \text{ } 5 \text{ km} \\ - 5 \text{ } 6 \text{ km} \\ \hline 1 \text{ } 9 \text{ km} \end{array}$$

Ans. 19 km

$$\begin{array}{r} 15 \\ 1 \text{ } 5 \text{ } 14 \\ 2 \text{ } 6 \text{ } 4 \text{ km} \\ - 8 \text{ } 7 \text{ km} \\ \hline 1 \text{ } 7 \text{ } 7 \text{ km} \end{array}$$

Ans. 177 km

$$\begin{array}{r} 1 \text{ } 13 \quad 7 \text{ } 12 \\ 2 \text{ } 3 \text{ m } 8 \text{ } 2 \text{ cm} \\ - 7 \text{ m } 6 \text{ } 6 \text{ cm} \\ \hline 1 \text{ } 6 \text{ m } 1 \text{ } 6 \text{ cm} \end{array}$$

Ans. 16 m 16 cm

$$\begin{array}{r} 4 \text{ } 12 \quad 5 \text{ } 11 \\ 5 \text{ } 2 \text{ m } 6 \text{ } 1 \text{ cm} \\ - 3 \text{ } 7 \text{ m } 2 \text{ } 7 \text{ cm} \\ \hline 1 \text{ } 5 \text{ m } 3 \text{ } 4 \text{ cm} \end{array}$$

Ans. 15 m 34 cm

$$\begin{array}{r} 7 \text{ } 13 \\ 8 \text{ } 3 \text{ m } 1 \text{ } 4 \text{ cm} \\ - 2 \text{ } 6 \text{ m } 0 \text{ } 0 \text{ cm} \\ \hline 5 \text{ } 7 \text{ m } 1 \text{ } 4 \text{ cm} \end{array}$$

Ans. 57 m 14 cm

$$\begin{array}{r} 2 \text{ } 18 \quad 14 \\ 3 \text{ } 8 \text{ km } 5 \text{ } 5 \text{ } 5 \text{ m} \\ - 1 \text{ } 9 \text{ km } 1 \text{ } 7 \text{ } 6 \text{ m} \\ \hline 1 \text{ } 9 \text{ km } 3 \text{ } 7 \text{ } 9 \text{ m} \end{array}$$

Ans. 19 km 379 m

$$\begin{array}{r} 7 \text{ } 11 \quad 8 \text{ } 10 \\ 8 \text{ } 1 \text{ km } 9 \text{ } 1 \text{ } 0 \text{ m} \\ - 4 \text{ } 2 \text{ km } 6 \text{ } 5 \text{ } 9 \text{ m} \\ \hline 3 \text{ } 9 \text{ km } 2 \text{ } 5 \text{ } 1 \text{ m} \end{array}$$

Ans. 39 km 251 m

$$\begin{array}{r} 3 \text{ } 4 \text{ km } 6 \text{ } 5 \text{ } 9 \text{ m} \\ - 2 \text{ } 3 \text{ km } 0 \text{ } 0 \text{ } 0 \text{ m} \\ \hline 1 \text{ } 1 \text{ km } 6 \text{ } 5 \text{ } 9 \text{ m} \end{array}$$

Ans. 11 km 659 m

### EXERCISE 15C

Multiply.

$$\begin{array}{r} \text{cm} \\ 3 \text{ } 2 \\ \times 3 \\ \hline 9 \text{ } 6 \end{array}$$

Ans. 96 cm

$$\begin{array}{r} \text{m} \\ 1 \text{ } 8 \\ \times 7 \\ \hline 1 \text{ } 2 \text{ } 6 \end{array}$$

Ans. 126 m

$$\begin{array}{r} \text{km} \\ 2 \text{ } 5 \\ \times 6 \\ \hline 1 \text{ } 5 \text{ } 0 \end{array}$$

Ans. 150 km

$$\begin{array}{r} \text{m} \quad \text{cm} \\ 2 \text{ } 5 \text{ } 1 \text{ } 1 \\ \times 4 \\ \hline 1 \text{ } 0 \text{ } 0 \text{ } 4 \text{ } 4 \end{array}$$

Ans. 100 m  
44 cm

$$\begin{array}{r} \text{km} \quad \text{m} \\ 6 \text{ } 5 \text{ } 1 \text{ } 4 \text{ } 3 \\ \times 3 \\ \hline 1 \text{ } 9 \text{ } 5 \text{ } 4 \text{ } 2 \text{ } 9 \end{array}$$

Ans. 195 km  
429 m

$$\begin{array}{r} \text{cm} \\ 1 \text{ } 7 \\ \times 3 \\ \hline 5 \text{ } 1 \end{array}$$

Ans. 51 cm

$$\begin{array}{r} \text{cm} \\ 3 \text{ } 8 \\ \times 2 \\ \hline 7 \text{ } 6 \end{array}$$

Ans. 76 cm

$$\begin{array}{r} \text{cm} \\ 2 \text{ } 2 \\ \times 4 \\ \hline 8 \text{ } 8 \end{array}$$

Ans. 88 cm

$$\begin{array}{r} \text{cm} \\ 3 \text{ } 8 \\ \times 2 \\ \hline 7 \text{ } 6 \end{array}$$

Ans. 76 cm

$$\begin{array}{r} \text{cm} \\ 1 \text{ } 2 \text{ } 6 \\ \times 8 \\ \hline 1 \text{ } 0 \text{ } 0 \text{ } 8 \end{array}$$

Ans. 1008 cm

$$\begin{array}{r} \text{m} \\ 2 \text{ } 4 \\ 1 \text{ } 5 \text{ } 8 \\ \times 5 \\ \hline 7 \text{ } 9 \text{ } 0 \end{array}$$

Ans. 790 m

$$\begin{array}{r} \text{km} \\ 1 \text{ } 9 \\ \times 6 \\ \hline 1 \text{ } 1 \text{ } 4 \end{array}$$

Ans. 114 km

$$\begin{array}{r} \text{km} \\ 3 \text{ } 4 \text{ } 5 \\ \times 7 \\ \hline 3 \text{ } 1 \text{ } 5 \end{array}$$

Ans. 315 km

$$\begin{array}{r} \text{km} \\ 6 \text{ } 4 \\ 1 \text{ } 7 \text{ } 5 \\ \times 9 \\ \hline 1 \text{ } 5 \text{ } 7 \text{ } 5 \end{array}$$

Ans. 1575 km

$$\begin{array}{r} \text{km} \\ 1 \text{ } 2 \\ 2 \text{ } 5 \text{ } 8 \\ \times 3 \\ \hline 7 \text{ } 7 \text{ } 4 \end{array}$$

Ans. 774 km

$$\begin{array}{r} \text{m} \quad \text{cm} \\ 1 \quad 1 \\ 27 \quad 39 \\ \times \quad 2 \\ \hline 54 \quad 78 \end{array}$$

Ans. 54 m 78 cm

$$\begin{array}{r} \text{m} \quad \text{cm} \\ 3 \quad 1 \\ 38 \quad 24 \\ \times \quad 4 \\ \hline 152 \quad 96 \end{array}$$

Ans. 152 m 96 cm

$$\begin{array}{r} \text{m} \quad \text{cm} \\ 1 \quad 3 \\ 33 \quad 07 \\ \times \quad 5 \\ \hline 165 \quad 35 \end{array}$$

Ans. 165 m 35 cm

$$\begin{array}{r} \text{m} \quad \text{cm} \\ 42 \quad 23 \\ \times \quad 3 \\ \hline 126 \quad 69 \end{array}$$

Ans. 126 m 69 cm

$$\begin{array}{r} \text{km} \quad \text{m} \\ 3 \\ 54 \quad 111 \\ \times \quad 8 \\ \hline 432 \quad 888 \end{array}$$

Ans. 432 km 888 m

$$\begin{array}{r} \text{km} \quad \text{m} \\ 22 \quad 3 \\ 22 \quad 182 \\ \times \quad 4 \\ \hline 88 \quad 728 \end{array}$$

Ans. 88 km 728 m

$$\begin{array}{r} \text{km} \quad \text{m} \\ 1 \\ 48 \quad 322 \\ \times \quad 2 \\ \hline 96 \quad 644 \end{array}$$

Ans. 96 km 644 m

$$\begin{array}{r} \text{km} \quad \text{m} \\ 62 \quad 1 \\ 62 \quad 225 \\ \times \quad 3 \\ \hline 186 \quad 675 \end{array}$$

Ans. 186 km 675 m

### EXERCISE 15D

Find.

$$\begin{array}{r} \text{cm} \\ 12 \\ 7 \overline{)84} \\ -7 \phantom{0} \\ \hline 14 \\ -14 \\ \hline 0 \end{array}$$

Ans. 12 cm

$$\begin{array}{r} \text{cm} \\ 8 \\ 8 \overline{)64} \\ -64 \\ \hline 00 \end{array}$$

Ans. 8 cm

$$\begin{array}{r} \text{cm} \\ 15 \\ 5 \overline{)75} \\ -5 \phantom{0} \\ \hline 25 \\ -25 \\ \hline 0 \end{array}$$

Ans. 15 cm

$$\begin{array}{r} \text{m} \\ 19 \\ 3 \overline{)57} \\ -3 \phantom{0} \\ \hline 27 \\ -27 \\ \hline 0 \end{array}$$

Ans. 19 m

$$\begin{array}{r} \text{m} \\ 109 \\ 5 \overline{)545} \\ -5 \phantom{0} \\ \hline 04 \\ -0 \\ \hline 45 \\ -45 \\ \hline 00 \end{array}$$

Ans. 109 m

$$\begin{array}{r} \text{m} \\ 86 \\ 7 \overline{)602} \\ -56 \phantom{0} \\ \hline 42 \\ -42 \\ \hline 00 \end{array}$$

Ans. 86 m

$$\begin{array}{r} \text{m} \\ 59 \\ 3 \overline{)177} \\ -15 \phantom{0} \\ \hline 27 \\ -27 \\ \hline 00 \end{array}$$

Ans. 59 m

$$\begin{array}{r} \text{km} \\ 75 \\ 4 \overline{)300} \\ -28 \phantom{0} \\ \hline 20 \\ -20 \\ \hline 00 \end{array}$$

Ans. 75 km

$$\begin{array}{r} \text{km} \\ 87 \\ 6 \overline{)522} \\ -48 \phantom{0} \\ \hline 42 \\ -42 \\ \hline 00 \end{array}$$

Ans. 87 km

$$\begin{array}{r} \text{km} \\ 97 \\ 8 \overline{)776} \\ -72 \phantom{0} \\ \hline 56 \\ -56 \\ \hline 00 \end{array}$$

Ans. 97 km



$$\begin{array}{r}
 \text{m} \qquad \text{cm} \\
 2 \overline{) 26 \quad 54} \\
 \underline{-2} \phantom{0} \\
 06 \\
 \underline{-6} \\
 00 \\
 \phantom{00} \downarrow \downarrow \\
 2 \overline{) 54} \\
 \underline{-4} \\
 14 \\
 \underline{-14} \\
 0
 \end{array}$$

Ans. 13 m 27 cm

$$\begin{array}{r}
 \text{m} \qquad \text{cm} \\
 3 \overline{) 123 \quad 51} \\
 \underline{-3} \phantom{0} \\
 06 \\
 \underline{-6} \\
 09 \\
 \underline{-9} \\
 0 \\
 \phantom{0} \downarrow \downarrow \\
 3 \overline{) 17} \\
 \underline{-3} \\
 21 \\
 \underline{-21} \\
 00
 \end{array}$$

Ans. 123 m 17 cm

$$\begin{array}{r}
 \text{m} \qquad \text{cm} \\
 5 \overline{) 101 \quad 80} \\
 \underline{-5} \phantom{0} \\
 00 \\
 \underline{-0} \\
 05 \\
 \underline{-5} \\
 0 \\
 \phantom{0} \downarrow \downarrow \\
 5 \overline{) 80} \\
 \underline{-5} \\
 30 \\
 \underline{-30} \\
 00
 \end{array}$$

Ans. 101 m 16 cm

$$\begin{array}{r}
 \text{m} \qquad \text{cm} \\
 8 \overline{) 408 \quad 72} \\
 \underline{-40} \phantom{0} \\
 008 \\
 \underline{-8} \\
 00 \\
 \phantom{00} \downarrow \downarrow \\
 8 \overline{) 9} \\
 \underline{-8} \\
 00
 \end{array}$$

Ans. 51 m 9 cm

$$\begin{array}{r}
 \text{km} \qquad \text{m} \\
 4 \overline{) 14 \quad 20} \\
 \underline{-4} \phantom{0} \\
 16 \\
 \underline{-16} \\
 00 \\
 \phantom{00} \downarrow \downarrow \\
 4 \overline{) 5} \\
 \underline{-4} \\
 00
 \end{array}$$

Ans. 14 km 5 m

$$\begin{array}{r}
 \text{km} \qquad \text{m} \\
 6 \overline{) 13 \quad 432} \\
 \underline{-6} \phantom{0} \\
 18 \\
 \underline{-18} \\
 00 \\
 \phantom{00} \downarrow \downarrow \downarrow \\
 6 \overline{) 72} \\
 \underline{-42} \\
 12 \\
 \underline{-12} \\
 00
 \end{array}$$

Ans. 13 km 72 m

$$\begin{array}{r}
 \text{km} \qquad \text{m} \\
 7 \overline{) 31 \quad 119} \\
 \underline{-21} \phantom{0} \\
 007 \\
 \underline{-7} \\
 0 \\
 \phantom{0} \downarrow \downarrow \downarrow \\
 7 \overline{) 119} \\
 \underline{-7} \\
 49 \\
 \underline{-49} \\
 00
 \end{array}$$

Ans. 31 km 17 m

$$\begin{array}{r}
 \text{km} \qquad \text{cm} \\
 3 \overline{) 201 \quad 510} \\
 \underline{-6} \phantom{0} \\
 00 \\
 \underline{-0} \\
 03 \\
 \underline{-3} \\
 0 \\
 \phantom{0} \downarrow \downarrow \downarrow \\
 3 \overline{) 510} \\
 \underline{-3} \\
 21 \\
 \underline{-21} \\
 000 \\
 \underline{-0} \\
 0
 \end{array}$$

Ans. 201 km 170 cm

**EXERCISE 16A**

Change into grams.

1. a.  $4 \text{ kg} = 4000 \text{ g}$     b.  $6 \text{ kg} = 6000 \text{ g}$     c.  $7 \text{ kg} = 7000 \text{ g}$     d.  $8 \text{ kg} = 8000 \text{ g}$
2. a.  $6 \text{ kg } 800 \text{ g} = 6 \text{ kg} + 800 \text{ g}$   
 $= 6000 \text{ g} + 800 \text{ g}$   
 $= 6800 \text{ g}$
- b.  $4 \text{ kg } 70 \text{ g} = 4 \text{ kg} + 70 \text{ g}$   
 $= 4000 \text{ g} + 70 \text{ g}$   
 $= 4070 \text{ g}$
- c.  $3 \text{ kg } 87 \text{ g} = 3 \text{ kg} + 87 \text{ g}$   
 $= 3000 \text{ g} + 87 \text{ g}$   
 $= 3087 \text{ g}$
- d.  $5 \text{ kg } 8 \text{ g} = 5 \text{ kg} + 8 \text{ g}$   
 $= 5000 \text{ g} + 8 \text{ g}$   
 $= 5008 \text{ g}$
- e.  $7 \text{ kg } 505 \text{ g} = 7 \text{ kg} + 505 \text{ g}$   
 $= 7000 \text{ g} + 505 \text{ g}$   
 $= 7505 \text{ g}$
- f.  $9 \text{ kg } 9 \text{ g} = 9 \text{ kg} + 9 \text{ g}$   
 $= 9000 \text{ g} + 9 \text{ g}$   
 $= 9009 \text{ g}$

Change into kilograms.

3. a.  $3000 \text{ g} = 3 \text{ kg}$     b.  $5000 \text{ g} = 5 \text{ kg}$     c.  $6000 \text{ g} = 6 \text{ kg}$     d.  $8000 \text{ g} = 8 \text{ kg}$
4. Change into kilograms and grams.
- a.  $6519 \div 1000 = 6$  and remainder 519    b.  $5802 \div 1000 = 5$  and remainder 802  
 So,  $6519 \text{ g} = 6 \text{ kg } 519 \text{ g}$     So,  $5802 \text{ g} = 5 \text{ kg } 802 \text{ g}$
- c.  $7200 \div 1000 = 7$  and remainder 200    d.  $6002 \div 1000 = 6$  and remainder 2  
 So,  $7200 \text{ g} = 7 \text{ kg } 200 \text{ g}$     So,  $6002 \text{ g} = 6 \text{ kg } 2 \text{ g}$
- e.  $1246 \div 1000 = 1$  and remainder 246    f.  $4059 \div 1000 = 4$  and remainder 59  
 So,  $1246 \text{ g} = 1 \text{ kg } 246 \text{ g}$     So,  $4059 \text{ g} = 4 \text{ kg } 59 \text{ g}$

**EXERCISE 16B**

Add.

1. a. 
$$\begin{array}{r} \text{g} \\ 1 \text{ 1} \\ 4 \text{ 9 7} \\ + 3 \text{ 2 8} \\ \hline 8 \text{ 2 5} \end{array}$$
    b. 
$$\begin{array}{r} \text{g} \\ 1 \text{ 1} \\ 3 \text{ 7 4} \\ + 2 \text{ 5 6} \\ \hline 6 \text{ 3 0} \end{array}$$
    c. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 63 \text{ 3 8 6} \\ + 24 \text{ 4 6 7} \\ \hline 87 \text{ 8 5 3} \end{array}$$
    d. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 1 \text{ 1} \quad 1 \text{ 1} \\ 168 \text{ 5 5 6} \\ + 456 \text{ 2 7 4} \\ \hline 624 \text{ 8 3 0} \end{array}$$
- Ans. 825 g    Ans. 630 g    Ans. 87 kg 853 g    Ans. 624 kg 830 g
2. a. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 1 \text{ 1} \quad 1 \text{ 1} \\ 65 \text{ 4 0 8} \\ + 37 \text{ 3 9 2} \\ \hline 102 \text{ 8 0 0} \end{array}$$
    b. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 115 \text{ 2 6 0} \\ + 320 \text{ 2 1 0} \\ + \quad \quad \quad 7 \\ \hline 435 \text{ 4 7 7} \end{array}$$
    c. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 1 \text{ 1 2} \quad 1 \text{ 1} \\ 1367 \text{ 1 7 9} \\ + 17 \text{ 0 0} \\ + 857 \text{ 6 4} \\ \hline 2241 \text{ 2 4 3} \end{array}$$
    d. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 1 \quad 1 \\ 2452 \text{ 0 0 0} \\ + 6321 \text{ 1 2 5} \\ + 17 \text{ 6 9 0} \\ \hline 8790 \text{ 8 1 5} \end{array}$$
- Ans. 102 kg 800 g    Ans. 435 kg 477 g    Ans. 2241 kg 243 g    Ans. 8790 kg 815 g

Subtract.

3. a. 
$$\begin{array}{r} \text{g} \\ 843 \\ - 628 \\ \hline 215 \end{array}$$

Ans. 215 g

b. 
$$\begin{array}{r} \text{g} \\ 285 \\ - 71 \\ \hline 214 \end{array}$$

Ans. 214 g

c. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 28564 \\ - 21363 \\ \hline 7201 \end{array}$$

Ans. 7 kg 201 g

d. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 514 \quad 417 \\ 649578 \\ - 369387 \\ \hline 280191 \end{array}$$

Ans. 280 kg 191 g

4. a. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 6534 \\ - 328 \\ \hline 3506 \end{array}$$

Ans. 3 kg 506 g

b. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 715 \quad 8316 \\ 85946 \\ - 56758 \\ \hline 29188 \end{array}$$

Ans. 29 kg 188 g

c. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 710 \quad 613 \\ 80373 \\ - 51268 \\ \hline 29105 \end{array}$$

Ans. 29 kg 105 g

d. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 350 \quad 4312 \\ - 178 \\ \hline 350364 \end{array}$$

Ans. 350 kg 364 g

### EXERCISE 16C

Multiply.

1. a. 
$$\begin{array}{r} \text{g} \\ 152 \\ \times 3 \\ \hline 456 \end{array}$$

Ans. 456 g

b. 
$$\begin{array}{r} \text{g} \\ 375 \\ \times 5 \\ \hline 1875 \end{array}$$

Ans. 1875 g

c. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 2176 \\ \times 3 \\ \hline 6528 \end{array}$$

Ans. 6 kg 528 g

d. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 52 \quad 138 \\ \times 4 \\ \hline 208552 \end{array}$$

Ans. 208 kg 552 g

2. a. 
$$\begin{array}{r} \text{g} \\ 25 \\ \times 6 \\ \hline 150 \end{array}$$

Ans. 150 g

b. 
$$\begin{array}{r} \text{g} \\ 130 \\ \times 7 \\ \hline 910 \end{array}$$

Ans. 910 g

c. 
$$\begin{array}{r} \text{g} \\ 110 \\ \times 8 \\ \hline 880 \end{array}$$

Ans. 880 g

d. 
$$\begin{array}{r} \text{g} \\ 108 \\ \times 9 \\ \hline 972 \end{array}$$

Ans. 972 g

3. a. 
$$\begin{array}{r} \text{kg} \\ 277 \\ \times 3 \\ \hline 231 \end{array}$$

Ans. 231 kg

b. 
$$\begin{array}{r} \text{kg} \\ 252 \\ \times 5 \\ \hline 1260 \end{array}$$

Ans. 1260 kg

c. 
$$\begin{array}{r} \text{kg} \\ 3458 \\ \times 6 \\ \hline 2748 \end{array}$$

Ans. 2748 kg

d. 
$$\begin{array}{r} \text{kg} \\ 213 \\ 1529 \\ \times 4 \\ \hline 6116 \end{array}$$

Ans. 6116 kg

4. a. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 22 \quad 155 \\ \times 3 \\ \hline 66 \quad 465 \end{array}$$

Ans. 66 kg 465 g

b. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 2 \quad 32 \\ 74 \quad 165 \\ \times 5 \\ \hline 370 \quad 825 \end{array}$$

Ans. 370 kg 825 g

c. 
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 2 \quad 3 \\ 55 \quad 218 \\ \times 4 \\ \hline 220 \quad 872 \end{array}$$

Ans. 220 kg 872 g



$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 5 \overline{) 125} \quad 5 \overline{) 550} \\
 \underline{-5} \quad \quad \quad \downarrow \downarrow \downarrow \\
 12 \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{-10} \quad \quad \quad \downarrow \downarrow \downarrow \\
 25 \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{-25} \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{00} \quad \quad \quad 5 \overline{) 550} \\
 \quad \quad \quad \underline{-5} \\
 \quad \quad \quad 05 \\
 \quad \quad \quad \underline{-5} \\
 \quad \quad \quad 00 \\
 \quad \quad \quad \underline{-0} \\
 \quad \quad \quad \underline{0}
 \end{array}$$

Ans. 125 kg 110 g

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 7 \overline{) 116} \quad 7 \overline{) 945} \\
 \underline{-7} \quad \quad \quad \downarrow \downarrow \downarrow \\
 11 \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{-7} \quad \quad \quad \downarrow \downarrow \downarrow \\
 42 \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{-42} \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{00} \quad \quad \quad 7 \overline{) 945} \\
 \quad \quad \quad \underline{-7} \\
 \quad \quad \quad 24 \\
 \quad \quad \quad \underline{-21} \\
 \quad \quad \quad 35 \\
 \quad \quad \quad \underline{-35} \\
 \quad \quad \quad \underline{00}
 \end{array}$$

Ans. 116 kg 135 g

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 6 \overline{) 30} \quad 6 \overline{) 636} \\
 \underline{-18} \quad \quad \quad \downarrow \downarrow \downarrow \\
 00 \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{-0} \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{0} \quad \quad \quad \downarrow \downarrow \downarrow \\
 \quad \quad \quad 6 \overline{) 636} \\
 \quad \quad \quad \underline{-6} \\
 \quad \quad \quad 03 \\
 \quad \quad \quad \underline{-0} \\
 \quad \quad \quad 36 \\
 \quad \quad \quad \underline{-36} \\
 \quad \quad \quad \underline{00}
 \end{array}$$

Ans. 30 kg 106 g

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 8 \overline{) 108} \quad 8 \overline{) 560} \\
 \underline{-8} \quad \quad \quad \downarrow \downarrow \downarrow \\
 06 \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{-0} \quad \quad \quad \downarrow \downarrow \downarrow \\
 64 \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{-64} \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{00} \quad \quad \quad 8 \overline{) 560} \\
 \quad \quad \quad \underline{-56} \\
 \quad \quad \quad 000 \\
 \quad \quad \quad \underline{-0} \\
 \quad \quad \quad \underline{0}
 \end{array}$$

Ans. 108 kg 70 g

$$\begin{array}{r}
 \text{kg} \quad \text{g} \\
 9 \overline{) 74} \quad 9 \overline{) 612} \\
 \underline{-63} \quad \quad \quad \downarrow \downarrow \downarrow \\
 36 \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{-36} \quad \quad \quad \downarrow \downarrow \downarrow \\
 \underline{00} \quad \quad \quad \downarrow \downarrow \downarrow \\
 \quad \quad \quad 9 \overline{) 612} \\
 \quad \quad \quad \underline{-54} \\
 \quad \quad \quad 72 \\
 \quad \quad \quad \underline{-72} \\
 \quad \quad \quad \underline{00}
 \end{array}$$

Ans. 74 kg 68 g

## Chapter 17 Measures of Capacity

### EXERCISE 17A

Change into millilitres.

1. a.  $4 \text{ l} = \boxed{4000 \text{ ml}}$     b.  $8 \text{ l} = \boxed{8000 \text{ ml}}$     c.  $7 \text{ l} = \boxed{7000 \text{ ml}}$     d.  $9 \text{ l} = \boxed{9000 \text{ ml}}$
2. a.  $5 \text{ l } 300 \text{ ml} = 5 \text{ l} + 300 \text{ ml}$   
 $= 5000 \text{ ml} + 300 \text{ ml}$   
 $= 5300 \text{ ml}$
- b.  $2 \text{ l } 57 \text{ ml} = 2 \text{ l} + 57 \text{ ml}$   
 $= 2000 \text{ ml} + 57 \text{ ml}$   
 $= 2057 \text{ ml}$
- c.  $3 \text{ l } 95 \text{ ml} = 3 \text{ l} + 95 \text{ ml}$   
 $= 3000 \text{ ml} + 95 \text{ ml}$   
 $= 3095 \text{ ml}$
- d.  $8 \text{ l } 205 \text{ ml} = 8 \text{ l} + 205 \text{ ml}$   
 $= 8000 \text{ ml} + 205 \text{ ml}$   
 $= 8205 \text{ ml}$
- e.  $6 \text{ l } 6 \text{ ml} = 6 \text{ l} + 6 \text{ ml}$   
 $= 6000 \text{ ml} + 6 \text{ ml}$   
 $= 6006 \text{ ml}$

Change into litres.

3. a.  $3000 \text{ ml} = 3 \text{ l}$    b.  $4000 \text{ ml} = 4 \text{ l}$    c.  $6000 \text{ ml} = 6 \text{ l}$    d.  $8000 \text{ ml} = 8 \text{ l}$

4. Change into litres and millilitres.

- a.  $1537 \div 1000 = 1$  and remainder 537  
So,  $1537 \text{ ml} = 1 \text{ l } 537 \text{ ml}$
- b.  $4215 \div 1000 = 4$  and remainder 215  
So,  $4215 \text{ ml} = 4 \text{ l } 215 \text{ ml}$
- c.  $3500 \div 1000 = 3$  and remainder 500  
So,  $3500 \text{ ml} = 3 \text{ l } 500 \text{ ml}$
- d.  $7040 \div 1000 = 7$  and remainder 40  
So,  $7040 \text{ ml} = 7 \text{ l } 40 \text{ ml}$
- e.  $8405 \div 1000 = 8$  and remainder 405  
So,  $8405 \text{ ml} = 8 \text{ l } 405 \text{ ml}$
- f.  $9005 \div 1000 = 9$  and remainder 5  
So,  $9005 \text{ ml} = 9 \text{ l and } 5 \text{ ml}$

### EXERCISE 17B

Add.

1. a. 
$$\begin{array}{r} \text{ml} \\ 1 \text{ l } \\ 4 \text{ 6 3} \\ + 3 \text{ 4 7} \\ \hline 8 \text{ 1 0} \end{array}$$

Ans. 810 ml

b. 
$$\begin{array}{r} \text{l} \\ 1 \text{ l } \\ 4 \text{ 4 8} \\ + 3 \text{ 7 5} \\ \hline 8 \text{ 2 3} \end{array}$$

Ans. 823 l

c. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 2 \text{ 2 5 4 6} \\ + 5 \text{ 7 2 7 4} \\ \hline 7 \text{ 9 8 2 0} \end{array}$$

Ans. 79 l 820 ml

d. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 1 \text{ 1} \quad 1 \\ 1 \text{ 6 6 3 2 4} \\ + 4 \text{ 5 8 2 5 7} \\ \hline 6 \text{ 2 4 5 8 1} \end{array}$$

Ans. 624 l 581 ml

2. a. 
$$\begin{array}{r} \text{ml} \\ 1 \text{ l } \\ 3 \text{ 6 2} \\ + 2 \text{ 9 9} \\ \hline 6 \text{ 6 1} \end{array}$$

Ans. 661 ml

b. 
$$\begin{array}{r} \text{ml} \\ 1 \text{ l } \\ 2 \text{ 5 0} \\ + 5 \text{ 8 5} \\ \hline 8 \text{ 3 5} \end{array}$$

Ans. 835 ml

c. 
$$\begin{array}{r} \text{ml} \\ 2 \text{ l } \\ 1 \text{ 6 0} \\ + 8 \text{ 5} \\ + 2 \text{ 7 5} \\ \hline 5 \text{ 2 0} \end{array}$$

Ans. 520 ml

3. a. 
$$\begin{array}{r} \text{l} \\ 1 \text{ l } \\ 4 \text{ 6 8} \\ + 5 \text{ 0 7} \\ \hline 9 \text{ 7 5} \end{array}$$

Ans. 975 l

b. 
$$\begin{array}{r} \text{l} \\ 1 \text{ l } \\ 6 \text{ 5} \\ + 1 \text{ 4 5} \\ \hline 2 \text{ 1 0} \end{array}$$

Ans. 210 l

c. 
$$\begin{array}{r} \text{ml} \\ 1 \text{ l } \\ 1 \text{ 1} \\ 6 \text{ 0} \\ + 3 \text{ 5 8} \\ + 2 \text{ 4 5} \\ \hline 6 \text{ 6 3} \end{array}$$

Ans. 663 ml

4. a. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 1 \text{ l } \\ 7 \text{ 1 6 8} \\ + 8 \text{ 3 5 5} \\ \hline 1 \text{ 5 5 2 3} \end{array}$$

Ans. 15 l 523 ml

b. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 1 \text{ l } \\ 5 \text{ 2 2 4 0} \\ + 1 \text{ 9 0 6 5 0} \\ \hline 2 \text{ 4 2 8 9 0} \end{array}$$

Ans. 242 l 890 ml

c. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 1 \text{ l } \quad 1 \text{ l } \\ 4 \text{ 7 0 0 0} \\ + 0 \text{ 0 3 6 5} \\ + 2 \text{ 2 2 4 6} \\ + 1 \text{ 2 2 1 5} \\ \hline 8 \text{ 1 8 2 6} \end{array}$$

Ans. 81 l 826 ml

d. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 1 \text{ l } \\ 1 \text{ 4 6 0 0 0} \\ + 0 \text{ 0 0 4 1 4} \\ + 1 \text{ 2 3 2 5 6} \\ \hline 2 \text{ 6 9 6 7 0} \end{array}$$

Ans. 269 l 670 ml

Subtract.

5. a. 
$$\begin{array}{r} \text{ml} \\ 789 \\ -268 \\ \hline 521 \end{array}$$

Ans. 521 ml

b. 
$$\begin{array}{r} \text{l} \\ 475 \\ -110 \\ \hline 365 \end{array}$$

Ans. 365 l

c. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 27472 \\ -6100 \\ \hline 21372 \end{array}$$

Ans. 21 l 372 ml

d. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 79575 \\ -4810 \\ \hline 31565 \end{array}$$

Ans. 31 l 565 ml

6. a. 
$$\begin{array}{r} \text{ml} \\ 2\overset{14}{\cancel{5}}10 \\ 350 \\ -167 \\ \hline 183 \end{array}$$

Ans. 183 ml

b. 
$$\begin{array}{r} \text{ml} \\ 7\overset{9}{\cancel{10}}10 \\ 800 \\ -365 \\ \hline 435 \end{array}$$

Ans. 435 ml

c. 
$$\begin{array}{r} \text{ml} \\ 7\overset{12}{\cancel{2}}10 \\ 830 \\ -363 \\ \hline 467 \end{array}$$

Ans. 467 ml

d. 
$$\begin{array}{r} \text{ml} \\ 8\overset{16}{\cancel{6}}8 \\ 968 \\ -575 \\ \hline 393 \end{array}$$

Ans. 393 ml

7. a. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 5455 \\ -2000 \\ \hline 3455 \end{array}$$

Ans. 3 l 455 ml

b. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 75\overset{14}{\cancel{3}}10 \\ -62263 \\ \hline 13087 \end{array}$$

Ans. 13 l 87 ml

c. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 410\overset{11}{\cancel{6}}15 \\ 350725 \\ -238157 \\ \hline 112568 \end{array}$$

Ans. 112 l 568 ml

d. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 166\overset{7}{\cancel{8}}85 \\ -153779 \\ \hline 13106 \end{array}$$

Ans. 13 l 106 ml

### EXERCISE 17C

Multiply.

1. a. 
$$\begin{array}{r} \text{ml} \\ 117 \\ \times 4 \\ \hline 468 \end{array}$$

Ans. 468 ml

b. 
$$\begin{array}{r} \text{l} \\ 31 \\ 284 \\ \times 4 \\ \hline 1136 \end{array}$$

Ans. 1136 l

c. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 1121 \\ 15395 \\ \times 3 \\ \hline 46185 \end{array}$$

Ans. 46 l 185 ml

d. 
$$\begin{array}{r} \text{l} \quad \text{ml} \\ 1222 \\ 235145 \\ \times 5 \\ \hline 1175725 \end{array}$$

Ans. 1175 l 725 ml

2. a. 
$$\begin{array}{r} \text{ml} \\ 85 \\ \times 10 \\ \hline 850 \end{array}$$

Ans. 850 ml

b. 
$$\begin{array}{r} \text{ml} \\ 220 \\ \times 4 \\ \hline 880 \end{array}$$

Ans. 880 ml

c. 
$$\begin{array}{r} \text{ml} \\ 325 \\ \times 3 \\ \hline 975 \end{array}$$

Ans. 975 ml

d. 
$$\begin{array}{r} \text{ml} \\ 468 \\ \times 2 \\ \hline 936 \end{array}$$

Ans. 936 ml

3. a. 
$$\begin{array}{r} \text{l} \\ 2 \\ 53 \\ \times 7 \\ \hline 371 \end{array}$$

Ans. 371 l

b. 
$$\begin{array}{r} \text{l} \\ 23 \\ 435 \\ \times 6 \\ \hline 2610 \end{array}$$

Ans. 2610 l

c. 
$$\begin{array}{r} \text{l} \\ 2 \\ 115 \\ \times 5 \\ \hline 575 \end{array}$$

Ans. 575 l

d. 
$$\begin{array}{r} \text{l} \\ 12 \\ 1035 \\ \times 4 \\ \hline 4140 \end{array}$$

Ans. 4140 l

$$\begin{array}{r}
 \text{l} \quad \text{ml} \\
 \begin{array}{r}
 2 \ 3 \\
 6 \ 145 \\
 \times \quad 6 \\
 \hline
 36 \ 870
 \end{array}
 \end{array}$$

Ans. 36 l 870 ml

$$\begin{array}{r}
 \text{l} \quad \text{ml} \\
 \begin{array}{r}
 2 \quad 2 \ 3 \\
 26 \ 168 \\
 \times \quad 4 \\
 \hline
 104 \ 672
 \end{array}
 \end{array}$$

Ans. 104 l 672 ml

$$\begin{array}{r}
 \text{l} \quad \text{ml} \\
 \begin{array}{r}
 1 \ 4 \\
 115 \ 101 \\
 \times \quad 8 \\
 \hline
 920 \ 808
 \end{array}
 \end{array}$$

Ans. 920 l 808 ml

$$\begin{array}{r}
 \text{l} \quad \text{ml} \\
 \begin{array}{r}
 2 \ 3 \quad 1 \\
 247 \ 130 \\
 \times \quad 5 \\
 \hline
 1235 \ 650
 \end{array}
 \end{array}$$

Ans. 1235 l 650 ml

### EXERCISE 17D

Find.

$$\begin{array}{r}
 \text{ml} \\
 11 \\
 5 \overline{)55} \\
 \underline{-5} \\
 05 \\
 \underline{-5} \\
 00
 \end{array}$$

Ans. 11 ml

$$\begin{array}{r}
 \text{ml} \\
 88 \\
 4 \overline{)352} \\
 \underline{-32} \\
 32 \\
 \underline{-32} \\
 00
 \end{array}$$

Ans. 88 ml

$$\begin{array}{r}
 \text{ml} \\
 104 \\
 9 \overline{)936} \\
 \underline{-9} \\
 03 \\
 \underline{-0} \\
 36 \\
 \underline{-36} \\
 00
 \end{array}$$

Ans. 104 ml

$$\begin{array}{r}
 \text{ml} \\
 105 \\
 8 \overline{)840} \\
 \underline{-8} \\
 04 \\
 \underline{-0} \\
 40 \\
 \underline{-40} \\
 00
 \end{array}$$

Ans. 105 ml

$$\begin{array}{r}
 \text{l} \\
 47 \\
 2 \overline{)94} \\
 \underline{-8} \\
 14 \\
 \underline{-14} \\
 00
 \end{array}$$

Ans. 47 l

$$\begin{array}{r}
 \text{l} \\
 55 \\
 3 \overline{)165} \\
 \underline{-15} \\
 15 \\
 \underline{-15} \\
 00
 \end{array}$$

Ans. 55 l

$$\begin{array}{r}
 \text{l} \\
 82 \\
 7 \overline{)574} \\
 \underline{-56} \\
 14 \\
 \underline{-14} \\
 00
 \end{array}$$

Ans. 82 l

$$\begin{array}{r}
 \text{l} \\
 139 \\
 5 \overline{)695} \\
 \underline{-5} \\
 19 \\
 \underline{-15} \\
 45 \\
 \underline{-45} \\
 00
 \end{array}$$

Ans. 139 l

$$\begin{array}{r}
 \text{l} \quad \text{ml} \\
 2 \quad 36 \\
 6 \overline{)1236} \\
 \underline{-12} \\
 00 \\
 \hline
 \begin{array}{r}
 \downarrow \downarrow \\
 6 \\
 6 \overline{)36} \\
 \underline{-36} \\
 00
 \end{array}
 \end{array}$$

Ans. 2 l 6 ml

$$\begin{array}{r}
 \text{l} \quad \text{ml} \\
 17 \quad 450 \\
 5 \overline{)85450} \\
 \underline{-5} \\
 35 \\
 \underline{-35} \\
 00 \\
 \hline
 \begin{array}{r}
 \downarrow \downarrow \downarrow \\
 90 \\
 5 \overline{)450} \\
 \underline{-45} \\
 000 \\
 \underline{-0} \\
 0
 \end{array}
 \end{array}$$

Ans. 17 l 90 ml

$$\begin{array}{r}
 \text{l} \quad \text{ml} \\
 18 \quad 424 \\
 4 \overline{)72424} \\
 \underline{-4} \\
 32 \\
 \underline{-32} \\
 00 \\
 \hline
 \begin{array}{r}
 \downarrow \downarrow \downarrow \\
 106 \\
 4 \overline{)424} \\
 \underline{-4} \\
 02 \\
 \underline{-0} \\
 24 \\
 \underline{-24} \\
 00
 \end{array}
 \end{array}$$

Ans. 18 l 106 ml



$$\begin{array}{r}
 \begin{array}{r}
 \text{l} \\
 29 \\
 \hline
 9 \overline{) 261} \\
 \underline{-18} \\
 81 \\
 \underline{-81} \\
 00
 \end{array}
 \quad
 \begin{array}{r}
 \text{ml} \\
 765 \\
 \hline
 \begin{array}{r}
 \downarrow \downarrow \downarrow \\
 9 \overline{) 765} \\
 \underline{-72} \\
 45 \\
 \underline{-45} \\
 00
 \end{array}
 \end{array}
 \end{array}$$

Ans. 29 l 85 ml

$$\begin{array}{r}
 \begin{array}{r}
 \text{l} \\
 46 \\
 \hline
 8 \overline{) 368} \\
 \underline{-32} \\
 48 \\
 \underline{-48} \\
 00
 \end{array}
 \quad
 \begin{array}{r}
 \text{ml} \\
 528 \\
 \hline
 \begin{array}{r}
 \downarrow \downarrow \downarrow \\
 8 \overline{) 528} \\
 \underline{-48} \\
 48 \\
 \underline{-48} \\
 00
 \end{array}
 \end{array}
 \end{array}$$

Ans. 46 l 66 ml

$$\begin{array}{r}
 \begin{array}{r}
 \text{l} \\
 106 \\
 \hline
 6 \overline{) 636} \\
 \underline{-6} \\
 03 \\
 \underline{-0} \\
 36 \\
 \underline{-36} \\
 00
 \end{array}
 \quad
 \begin{array}{r}
 \text{ml} \\
 336 \\
 \hline
 \begin{array}{r}
 \downarrow \downarrow \downarrow \\
 6 \overline{) 336} \\
 \underline{-30} \\
 36 \\
 \underline{-36} \\
 00
 \end{array}
 \end{array}
 \end{array}$$

Ans. 106 l 56 ml

$$\begin{array}{r}
 \begin{array}{r}
 \text{l} \\
 125 \\
 \hline
 7 \overline{) 875} \\
 \underline{-7} \\
 17 \\
 \underline{-14} \\
 35 \\
 \underline{-35} \\
 00
 \end{array}
 \quad
 \begin{array}{r}
 \text{ml} \\
 420 \\
 \hline
 \begin{array}{r}
 \downarrow \downarrow \downarrow \\
 7 \overline{) 420} \\
 \underline{-42} \\
 00 \\
 \underline{-0} \\
 0
 \end{array}
 \end{array}
 \end{array}$$

Ans. 125 l 60 ml

$$\begin{array}{r}
 \begin{array}{r}
 \text{l} \\
 68 \\
 \hline
 3 \overline{) 204} \\
 \underline{-18} \\
 24 \\
 \underline{-24} \\
 00
 \end{array}
 \quad
 \begin{array}{r}
 \text{ml} \\
 621 \\
 \hline
 \begin{array}{r}
 \downarrow \downarrow \downarrow \\
 3 \overline{) 621} \\
 \underline{-6} \\
 02 \\
 \underline{-0} \\
 21 \\
 \underline{-21} \\
 00
 \end{array}
 \end{array}
 \end{array}$$





Ans. 68 l 207 ml

## Chapter 18 Data and Charts

- How many children like football?  $5 \times 2 = 10$
- How many children like tennis?  $5 \times 2 = 10$
- Which game is liked the most? Cricket How many like it?  $8 \times 2 = 16$
- Which game is liked the least? Basket ball How many like it?  $4 \times 2 = 8$
- Which two games are liked equally? Football and Tennis

### EXERCISE 18

1.



Sweet		Total
		7
		4
		6
		4

2.

Thing		Total
Stick	////	4
Shell		13
Pebble	//	7





3. Look at the table and answer the questions.

a. Dev   b. Rakesh   c. 25 kg   d. two   e. two

4. If  = 20 TVs and  = 10 TVs, the total number of TVs sold in six days is 20 + 20 + 20 + 20 + 20 + 10 = 110 TVs .

TVs sold by TV Mart



5. If  = 40 rotis then  = 30 rotis,  = 20 rotis and  = 10 rotis. The total number of rotis made by Mrs Sinha in a week = 30 + 40 + 40 + 30 + 20 + 10 + 10 = 180 rotis .

Rotis made by Mrs Singh

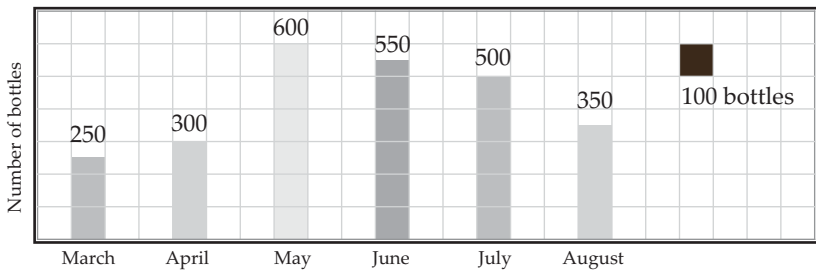


6. a.  $5 \times 6 = 30$ ,  $3 \times 6 + 3 = 18 + 3 = 21$       b.  $17 \times 6 = 102$       c. fancy dress


7. a.  $20 + 20 + 10 = 50$   
 b.  $20 + 20 + 20 + 10 + 5 = 75$   
 c.  $20 + 20 + 20 + 20 + 20 + 20 = 120$

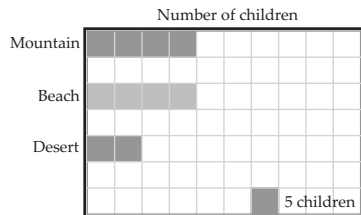
8. a.  $90 + 120 = 210$     b.  $90 - 60 = 30$     c. False    d. True

9.



10.

Mountain	 5 children
Beach	
Desert	



PRACTICE SHEET-5

1. Write the time.

a.



5 : 10

b.



8 : 20

c.



2 : 15

d.



6 : 35

e.



11 : 55

2. Fill in.

a. 120

b. 72

c. 35

d. 120

e. 480

f. 504

g. 600

h. 5

i. 5

j. 7000

k. 4000

l. 9

m. 8

n. 5000

3. Change.

$$\begin{aligned} \text{a. } 2 \text{ hour } 6 \text{ minutes} &= 2 \text{ hours} + 6 \text{ minutes} \\ &= 2 \times 60 \text{ minutes} + 6 \text{ minutes} \\ &= 120 \text{ minutes} + 6 \text{ minutes} \\ &= 126 \text{ minutes} \end{aligned}$$

$$\begin{aligned} \text{b. } 5 \text{ days } 13 \text{ hours} &= 5 \text{ days} + 13 \text{ hours} \\ &= 5 \times 24 \text{ hours} + 13 \text{ hours} \\ &= 120 \text{ hours} + 13 \text{ hours} \\ &= 133 \text{ hours} \end{aligned}$$

$$\begin{aligned} \text{c. } 3 \text{ months } 10 \text{ days} &= 3 \text{ months} + 10 \text{ days} \\ &= 3 \times 30 \text{ days} + 10 \text{ days} \\ &= 90 \text{ days} + 10 \text{ days} \\ &= 100 \text{ days} \end{aligned}$$

$$\begin{aligned} \text{d. } 2 \text{ weeks } 8 \text{ days} &= 2 \text{ weeks} + 8 \text{ days} \\ &= 2 \times 7 \text{ days} + 8 \text{ days} \\ &= 14 \text{ days} + 8 \text{ days} \\ &= 22 \text{ days} \end{aligned}$$

$$\begin{aligned} \text{e. } 4 \text{ l } 25 \text{ ml} &= 4 \text{ l} + 25 \text{ ml} \\ &= 4 \times 1000 \text{ ml} + 25 \text{ ml} \\ &= 4000 \text{ ml} + 25 \text{ ml} \\ &= 4025 \text{ ml} \end{aligned}$$

$$\begin{aligned} \text{f. } 1535 \div 1000 &= 1 \text{ and remainder } 535 \\ \text{So, } 1535 \text{ ml} &= 1 \text{ l } 535 \text{ ml} \end{aligned}$$

$$\begin{aligned} \text{g. } 6 \text{ kg } 400 \text{ g} &= 6 \text{ kg} + 400 \text{ g} \\ &= 6 \times 1000 \text{ g} + 400 \text{ g} \\ &= 6000 \text{ g} + 400 \text{ g} \\ &= 6400 \text{ g} \end{aligned}$$

h.  $6143 \div 1000 = 6$  and remainder 143

So, 6143 g = 6 kg 143 g

i.  $8 \text{ m } 55 \text{ cm} = 8 \text{ m} + 55 \text{ cm}$

$= 8 \times 100 \text{ cm} + 55 \text{ cm}$

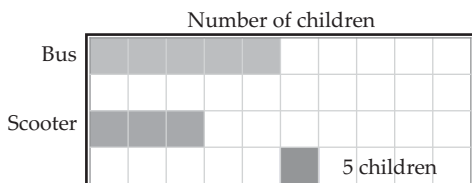
$= 800 \text{ cm} + 55 \text{ cm}$

$= 855 \text{ cm}$

j.  $707 \div 100 = 7$  and remainder 7

So, 707 cm = 7 m 7 cm

4.



5. Find.

a.

	km	m
1	11	
44	365	
+ 96	087	
-----	140 452	

**Ans.** 140 km 452 m

b.

	kg	g
	7	1016
6	806	
- 89		
-----	6 717	

**Ans.** 6 kg 717 g

c.

	l	ml
3	28	120
x 4		
-----	112	480

**Ans.** 112 l 480 ml

6.

	kg	g
1	52	100
x 7		
-----	364	700

**Ans.** 7 such boxes weight is 364 kg 700 g

7.

	ml
4	61
4	244
- 24	
-----	004
- 4	
-----	0

**Ans.** Each class get 61 ml of glue.