



Accurate Mathematics

A Course Book in Mathematics with Activity

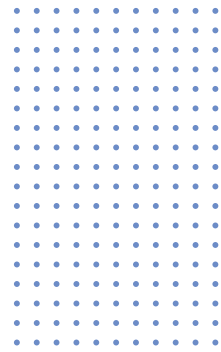
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Accurate Mathematics

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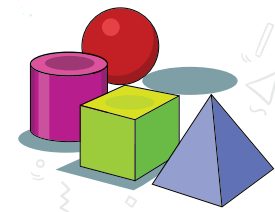
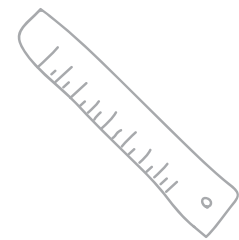
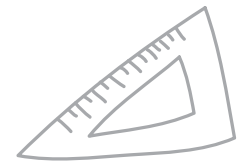
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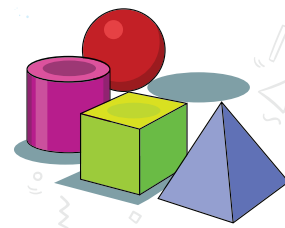
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1. Review of Numbers up to 999

We use the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 to write numbers.

Numbers have one or more digits.

Numbers like 0, 3, 6 and 8 have just one digit. They are **one-digit numbers**.

Numbers like 10, 19, 52 and 97 are **two-digit numbers**.

100, 207, 563, 729 and 987 are some **three-digit numbers**.



Exercise 1A

Fill in.

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

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

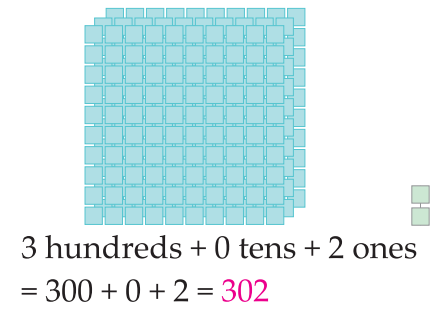
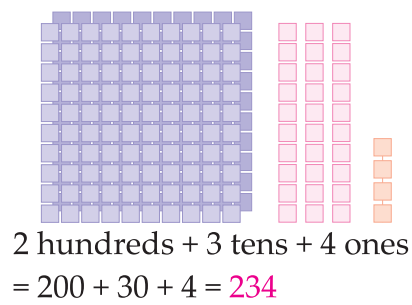
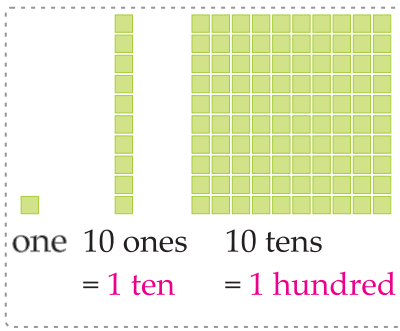
The smallest three-digit number is _____. The largest three-digit number is _____.

Write 461 to 480.

Write 891 to 910.

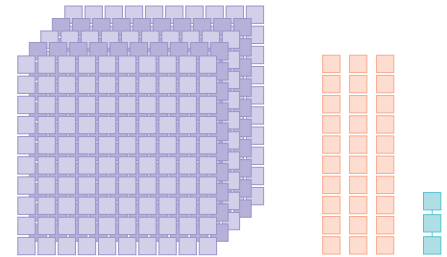
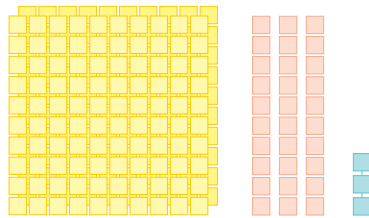
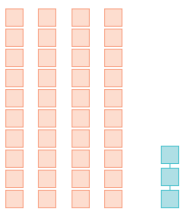
Fill in.

325	326	327						
872	873		875					
523	524	525						



Exercise 1B

1. Write the numbers.



2. Fill in.

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

b. $326 = _ \text{ hundreds} + _ \text{ tens} + _ \text{ ones}$

c. $105 = _ \text{ hundreds} + _ \text{ tens} + _ \text{ ones}$

d. $330 = _ \text{ hundreds} + _ \text{ tens} + _ \text{ one}$

e. $134 = _ \text{ hundreds} + _ \text{ tens} + _ \text{ ones}$

f. $665 = _ \text{ hundreds} + _ \text{ tens} + _ \text{ ones}$

g. $843 = _ \text{ hundreds} + _ \text{ tens} + _ \text{ ones}$

h. $568 = _ \text{ hundreds} + _ \text{ tens} + _ \text{ ones}$

3. Write in the short form.

a. $100 + 80 + 2 =$ 182

b. $400 + 50 + 3 =$

c. $800 + 0 + 4 =$

d. $30 + 6 =$

e. $200 + 80 + 0 =$

4. Write in the expanded form.

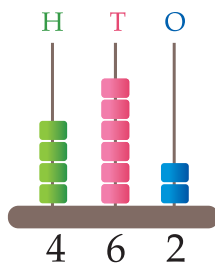
a. $823 =$ 800 + 20 + 3

b. $537 =$

c. $93 =$

d. $401 =$

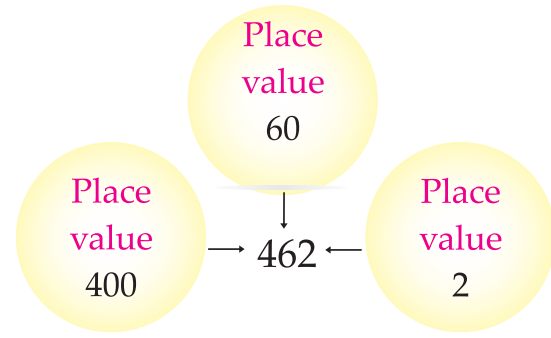
e. $960 =$



$$462 = 4 \text{ hundreds} + 6 \text{ tens} + 2 \text{ ones}$$

$$= 400 + 60 + 2$$

The position of a digit in a number gives it a **place value**



Exercise 1B

1. Fill in.

Number	Digit	Place value	Digit	Place value	Digit	Place value
267	2	200	6	60	7	7
762	7		6		2	
627	6		2		7	
76			7		6	
893	8		9		3	
534	5		3		4	
201	2		0		1	

2. Write in words.

a. 372 three hundred and seventy-two

c. 185

e. 728

g. 305

i. 462

b. 364

d. 106

f. 840

h. 377

j. 649

98 comes just before 99.
It is the predecessor of 99.



98 99 100

100 comes just after 99.
It is the successor of 99.



Exercise 1D

1. Write the predecessor (the number before).

 42 80 101 247 200 428 543 600 770 808

2. Write the successor (the number after).

69 149 300 382 478 507 640 739 889 955

3. Write the number between.

57 5999 101119 121785 787848 850

4. Continue the pattern.

372	376	380	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
-----	-----	-----	----------------------	----------------------	----------------------	----------------------

520	540	560	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
-----	-----	-----	----------------------	----------------------	----------------------	----------------------

850	800	750	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
-----	-----	-----	----------------------	----------------------	----------------------	----------------------



To compare numbers, compare left to right.
If the digits at a place are equal, compare the digits at the next place on the right.

HTO	HTO
53	53

T: 5 = 5 O: 3 = 3
53 = 53

HTO	HTO
427	502

H: 4 < 5
427 < 502

HTO	HTO
675	657

H: 6 = 6 T: 7 > 5
675 > 657

HTO	HTO
837	839

H: 8 = 8 T: 3 = 3 O: 7 < 9
837 < 839

HTO	HTO
163	99

H: 1 > 0
163 > 99



Exercise 1E

1. Write >, < or =.

821 > 145

73 39

86 98

9 15

89 98

605 242

79 289

155 55

476 419

786 687

381 381

265 526

615 115

583 583

636 663

957 975

2. Ring the smallest and tick the largest.

36 291 (25) ~~352~~ 89 334

767 705 167 16 717 760

41 47 31 19 35 53

548 562 535 529 509 517

241 122 736 883 415 628

155 152 154 159 157 151

916 516 416 16 116 716

511 115 965 502 947 241

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

50 30 20 70 90 60

--	--	--	--	--	--

33 25 82 75 48 54

--	--	--	--	--	--

448 841 579 568 844 805

--	--	--	--	--	--

663 695 625 668 697 689

--	--	--	--	--	--

905 950 39 102 280 199

--	--	--	--	--	--

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

448 529 294 219 299 775

--	--	--	--	--	--

346 265 184 409 643 517

--	--	--	--	--	--

479 884 723 327 363 974

--	--	--	--	--	--

642 516 705 739 470 624

--	--	--	--	--	--

139 912 338 498 674 514

--	--	--	--	--	--

5. Fill in.

In the week, _____ is the second day.

E is the fifth letter of the alphabet and _____ is the tenth letter.

G is the _____ letter of the alphabet and **I** is the _____ letter.

In **MATHEMATICS**, **H** is the _____ letter and **C** is the _____ letter.

In **WORKSHEETS**, the letter **T** comes _____ and **H** comes _____ .



Do and Digest

Aim Making three-digit numbers

Things needed Cards numbered 0-9, sheets of paper, pencil

Do and Learn

1. Draw a table with three columns.
Write hundreds, tens and ones, as shown.
2. Place a digit card in each column. Write down the number formed. Then change the places of the digits and write down the numbers formed.
3. With 3 different digits (no zeros), you can make 6 three- digit numbers.
For example, with 1,4 and 7 you can make 147, 174, 417, 471, 741 and 714.
Make three-digit numbers with some other digits.

hundreds	tens	ones
1	4	7

When one digit is zero

4. Take the digits 5,0 and 8.
You cannot have 0 in the hundreds place because that gives a two-digit number. (058 is 58 and 085 is 85.)
The three-digit numbers that you can make are 508, 580, 805 and 850.

Making the greatest number from three digits

5. Take the digits 4,2 and 9.
The greatest (largest) number will have the most hundreds and tens.
So, arrange the digits in descending order, with the greatest digit at the hundreds place.
The number is 942.

hundreds	tens	ones
9	4	2

Making the smallest number from three digits

6. The smallest number formed with 4,2 and 9 will have the least hundreds and tens.
So, arrange the digits in ascending order, with the smallest digit at the hundreds place.
The number formed is 249.
What if one or more digits are zeros?
Place them after the next-smallest digit.
The smallest number with 0,2 and 9 is 209.

hundreds	tens	ones
2	4	9

hundreds	tens	ones
2	0	9



Exercise 1F

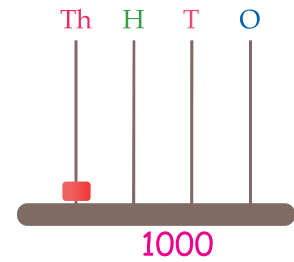
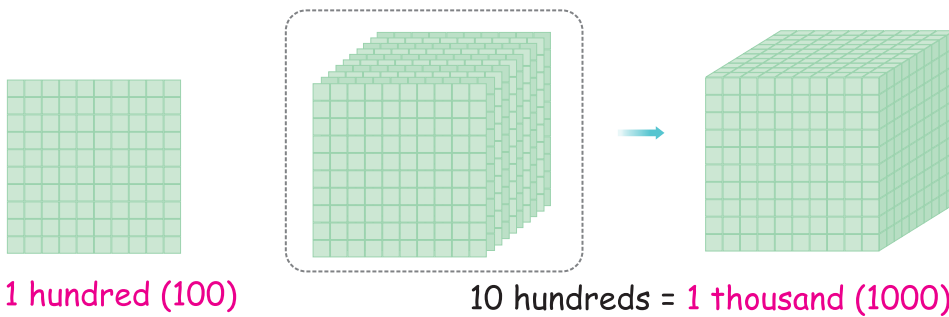
1. Make three-digit numbers using the given digits.

a.	7,1,5	715	751	571	517	175	157
b.	8,2,6						
c.	1,6,4						
d.	3,8,7						
e.	5,3,1						
f.	2,5,8						
g.	2,0,5	205	250	502	520	×	×
h.	8,4,0						
i.	7,1,6						
j.	0,3,7						

2. Make three-digit numbers and fill in.

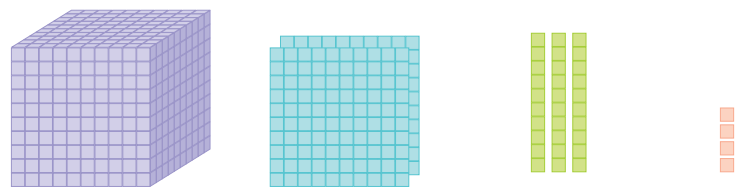
	Digits	Smallest number	Greatest number
a.	7,0,5	507	750
b.	8,2,5		
c.	5,4,1		
d.	9,1,3		
e.	6,5,0		
f.	5,2,8		
g.	0,7,8		
h.	3,4,0		
i.	8,6,7		
j.	4,2,7		
k.	0,5,3		
l.	6,8,7		
m.	9,3,5		
n.	4,6,5		

2. Four-Digit Numbers

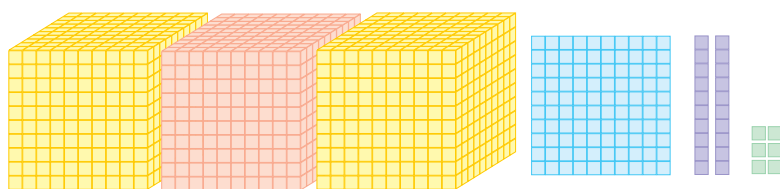
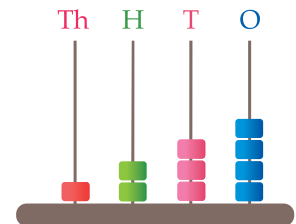


999 is the greatest 3-digit number.
 $999 + 1 = 1000$.
 1000 is the smallest 4-digit number.
 9999 is the greatest 4-digit number.

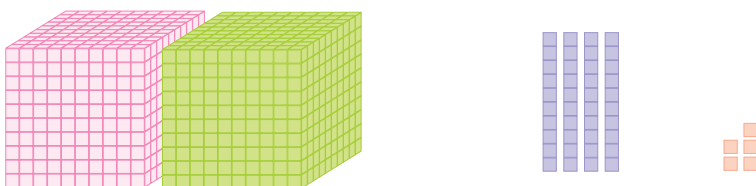
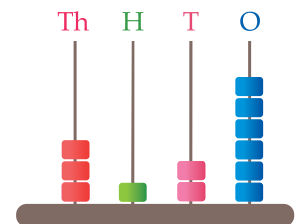
Th- thousands place



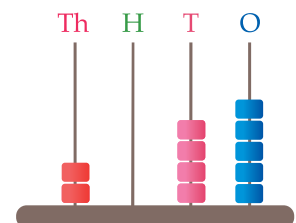
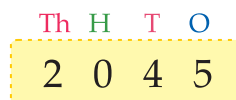
$$1 \text{ thousand} + 2 \text{ hundreds} + 3 \text{ tens} + 4 \text{ ones} \\ = 1000 + 200 + 30 + 4 =$$



$$3 \text{ thousands} + 1 \text{ hundred} + 2 \text{ tens} + 6 \text{ ones} \\ = 3000 + 100 + 20 + 6 =$$



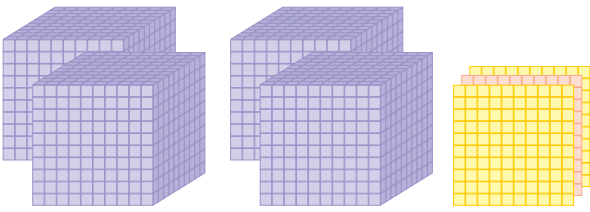
$$2 \text{ thousands} + 0 \text{ hundreds} + 4 \text{ tens} + 5 \text{ ones} \\ = 2000 + 0 + 40 + 5 =$$





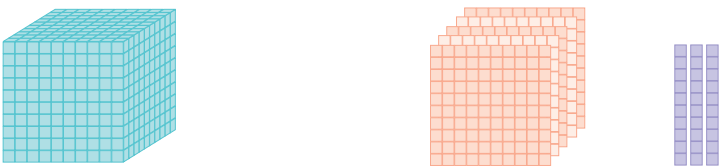
Exercise 2 A

1. Fill in.

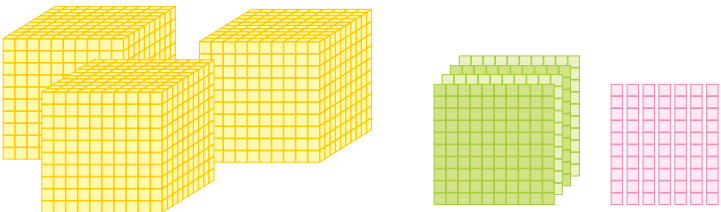
a. 

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

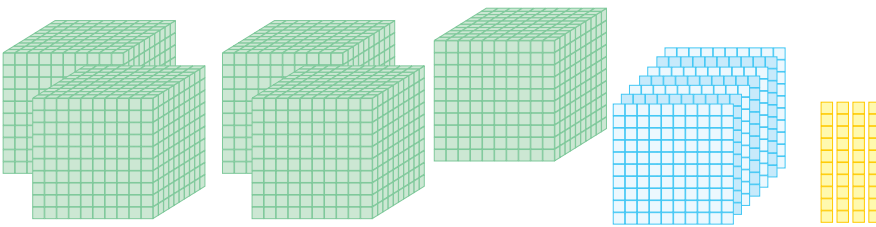


b. 

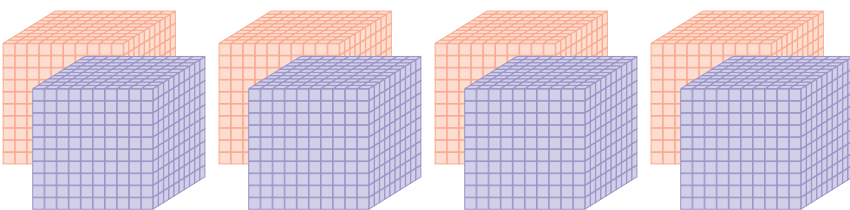


c. 



d. 



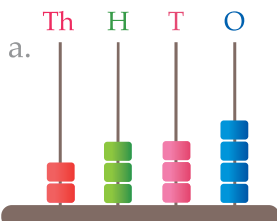
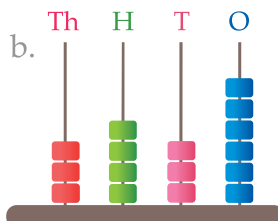
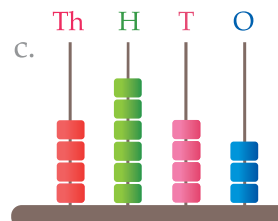
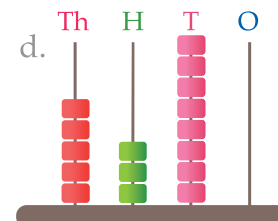
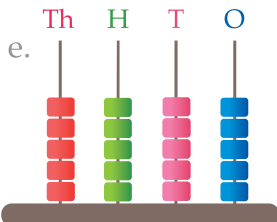
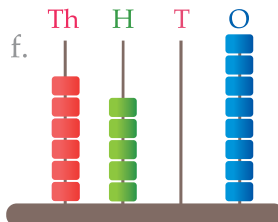
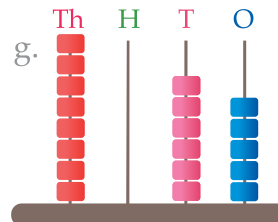
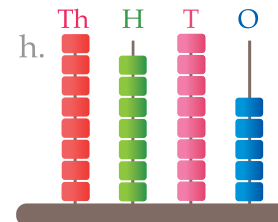
e. 



2. Fill in.

- a. 4 thousands + 3 hundreds + 4 tens + 6 ones = $4000 + 300 + 40 + 6$ = 4 3 4 6
- b. 2 thousands + 3 hundreds + 5 tens + 2 ones = =
- c. 4 thousands + 2 hundreds + 6 tens + 8 ones = =
- d. 5 thousands + 0 hundreds + 7 tens + 3 ones = =
- e. 3 thousands + 5 hundreds + 4 tens + 0 ones = =
- f. 8 thousands + 4 hundreds + 0 tens + 5 ones = =
- g. 2 thousands + 8 hundreds + 6 tens + 2 ones = =
- h. 7 thousands + 6 hundreds + 5 tens + 4 ones = =
- i. 9 thousands + 7 hundreds + 2 tens + 4 ones = =
- j. 8 thousands + 5 hundreds + 3 tens + 1 one = =
- k. 8 thousands + 8 hundreds + 8 tens + 8 ones = =

3. Write the number shown on the abacus.

<p>a.</p>  <p><input type="text"/></p>	<p>b.</p>  <p><input type="text"/></p>	<p>c.</p>  <p><input type="text"/></p>	<p>d.</p>  <p><input type="text"/></p>
<p>e.</p>  <p><input type="text"/></p>	<p>f.</p>  <p><input type="text"/></p>	<p>g.</p>  <p><input type="text"/></p>	<p>h.</p>  <p><input type="text"/></p>

4. Write in the short form.

- a. $3000 + 800 + 60 + 5$ 3865
- b. $2000 + 400 + 50 + 6$
- c. $4000 + 300 + 80 + 9$
- d. $1000 + 200 + 0 + 7$
- e. $5000 + 300 + 50 + 6$
- f. $3000 + 0 + 20 + 2$
- g. $8000 + 700 + 60 + 5$
- h. $7000 + 500 + 20 + 3$
- i. $9000 + 300 + 0 + 0$
- j. $4000 + 0 + 0 + 6$
- k. $2000 + 400 + 30 + 7$

5. Write in the expanded form.

- a. 6203 $6000 + 200 + 0 + 3$
- b. 8623
- c. 9674
- d. 4201
- e. 6382
- f. 7145
- g. 2465
- h. 8954
- i. 4637
- j. 1085
- k. 5005

Number Names

The name of a four-digit number shows the number of thousands, hundreds, tens and ones it has.

1001 : one thousand and one.

1099 : one thousand and ninety-nine

1115 : one thousand one hundred and fifteen

2642 : two thousand six hundred and forty-two

2726 : two thousand seven hundred and twenty-six

3459 : three thousand four hundred and fifty-nine

5934 : five thousand nine hundred and thirty-four

7811 : seven thousand eight hundred and eleven

8620 : eight thousand six hundred and twenty





Exercise 2 B

Write the number names.

3 2 1 6 =

5 2 8 7 =

2 9 7 4 =

1 0 7 5 =

2 5 0 6 =

4 5 0 8 =

2 3 0 0 =

7 4 0 0 =

2 9 0 6 =

3 9 0 8 =

2 0 0 2 =

3 0 0 8 =

4 0 0 6 =

5 8 3 0 =

Write in figures.



Eight thousand and one =

Five thousand and sixty-three =

Seven thousand three hundred =

Three thousand nine hundred and six =

Two thousand seven hundred and fifty =

Six thousand nine hundred and forty-two =

Three thousand eight hundred and fifty-four =

3. Write the numbers that follow.

2002	2003	2004							
2501									
2235									
4372									
3981									
9255									
7623									
6777									

4. Count backwards and fill in the numbers.

3143	3142	3141						
4513								
8937								
2134								
4823								

5. Continue the pattern.

3000	3002	3004						
4010	4015	4020						
2100	2200	2300						
2500	2600	2700						



Exercise 2 C

1. Fill in by counting forward.

2005	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5972	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2736	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1090	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7917	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6666	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4040	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2. Count backwards and fill in.

1170	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3665	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5770	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8332	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8147	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

3. Continue the pattern.

1020	1030	1040	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3275	3270	3265	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2050	2100	2150	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5890	5880	5870	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3111	3114	3117	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4000	4011	4022	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4. Write the predecessor (the number before).

5236	5237	2000	2143	1500
2530	3295	6300	3685	
4321	3060	1800	8000	

5. Write the successor (the number after).

3514	3515	1500	4020	2989
8476	6203	7012	5050	
8800	7069	3711	8635	

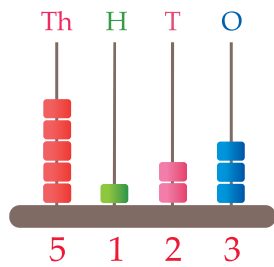
6. Write the numbers before and after.

2000	3250	4399
7689	8300	8632
6070	5801	3927

7. Write the number between:

4635	4636	4637	899		901	1220		1222	3254		3256
8379		8381	9498		9500	3040		3042	7816		7818
6765		6767	3509		3511	5099		5101	8953		8955

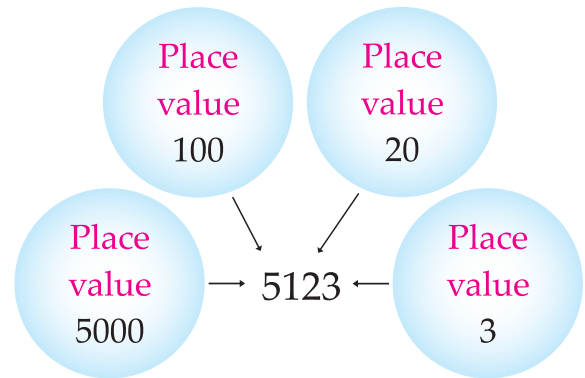
Place Values in Four-Digit Numbers



$$5123 = 5 \text{ thousands} + 1 \text{ hundred} + 2 \text{ tens} + 3 \text{ ones}$$

$$= 5000 + 100 + 20 + 3$$

You know that the position of a digit in a number gives it a **place value**.



Exercise 2 D

1. Write the place value of each digit.

5846	5	5000	8	800	4	40	6	6
4215								
5214								
2514								
3768								
7029								
8503								

2. Fill in.

In 8542, 4 is in the _____ place, and 8 is in the _____ place.

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

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

In 3294, the place value of 2 is ____, that of 3 is ____ and that of 2 is ____.

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

Comparing and Arranging



To compare numbers, compare left to right. If the digits at a place are equal, compare the digits at the next place on the right.

Th	H	T	O	Th	H	T	O
4	2	3	5	7	0	0	0

Th: $4 < 7$
 $4235 < 7000$

Th	H	T	O	Th	H	T	O
1	2	3	4	9	9	9	

Th: $1 > 0$
 $1234 > 999$

Th	H	T	O	Th	H	T	O
9	8	7	6	9	7	7	6

Th: $9 = 9$ H: $8 > 7$
 $9876 > 9776$

Th	H	T	O	Th	H	T	O
7	0	2	4	7	0	2	4

Th: $7 = 7$ H: $0 = 0$ T: $2 = 2$ O: $4 = 4$
 $7024 = 7024$

Th	H	T	O	Th	H	T	O
5	1	3	0	5	1	4	5

Th: $5 = 5$ H: $1 = 1$ T: $3 < 4$
 $5130 < 5145$



Exercise 2 E

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

2365 3657

7611 7251

888 1205

3281 45

6843 8203

7000 3000

5520 5520

4367 4357

7213 7341

2814 2810

2463 2863

5645 5465

8037 8100

3567 3567

4000 3999

8124 8214

Write the smallest number.

2034 2004 2003 2304 2403 2003

8345 2308 1167 886 5741

5207 2308 1036 6215 4723

4512 4215 4251 4521 4152

3674 3764 3647 3746 3467

Write the greatest number.

4578 4875 4758 4785 4857 4875

1782 876 787 2570 3211

8412 8142 8421 8214 8241

6367 8539 9655 9711 7636

5678 5867 5687 5786 5876

Ring the smallest and tick the largest.

4678 3216 8217 4514 8612 3261

5473 5437 5347 5734 5374 5743

7402 1422 3327 1010 3736 5355

8723 8743 8741 8726 8710 8732

7300 7400 7030 7040 7099 7009

351 2407 4270 6523 725 2648

Write in descending order.

1200 990 2256 4429 1348 3836

1100 5100 7100 1000 6100 8100

8428 4923 6648 5640 3489 7975

7592 9745 9831 8545 9683 7847

3558 3468 3864 3594 3495 3855

3086 770 3077 3770 3617 3680

4429 3836 2256 1348 1200 990

Write in ascending order.

2294 2924 2492 2942 2429 2249

4000 1000 400 100 6000 600

4622 1401 2278 1378 2274 3355

7542 3739 6821 2512 4248 2343

1348 3328 3823 2248 1483 2842

2179 2719 2917 2197 2971 2791

2249 2294 2429 2492 2924 2942

Making the Smallest and the Greatest Numbers From Four Given Digits

Making the greatest number from four digits

The greatest number will have the most thousands, hundreds and tens. So, write the digits in descending order, with the greatest digit at the thousands place.

Given digits: 3, 1, 7, 5
Greatest number with these digits: 7531

Given digits: 0, 9, 0, 6
Greatest number with these digits: 9600

Making the smallest number from four digits

The smallest number will have the least thousands, hundreds and tens. So, write the digits in ascending order, with the smallest digit at the thousands place. If there are zeros, place them after the next-smallest digit.

(You cannot have numbers starting with zeros.)

Given digits: 4, 2, 8, 6
Smallest number with these digits: 2468

Given digits: 0, 2, 3, 0
Smallest number with these digits: 2003



Exercise 2 F

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

Digits	Greatest number	Smallest number
2,6,4,4	6442	2446
3,1,7,9		
5,3,4,1		
8,0,7,2		
1,5,2,8		
7,9,4,7		

Digits	Greatest number	Smallest number
2,9,3,7		
8,4,5,6		
5,1,1,9		
6,0,9,8		
4,0,5,0		
3,4,3,3		

Some Numbers beyond 9999

What comes after 9999?

$9999 + 1 = 10000$ (ten thousand).

You know that 9 thousand together make 9,000.

Similarly, 10 thousands together make 10,000.

10,000 is the smallest five-digit number.

Here are some five-digit numbers.

- 11,000 eleven thousand
- 15,000 fifteen thousand
- 19,300 nineteen thousand three hundred
- 16,452 sixteen thousand four hundred and fifty-two
- 20,000 twenty thousand
- 50,000 fifty thousand
- 35,681 thirty-five thousand six hundred and eighty-one
- 73,700 seventy-three thousand seven hundred
- 80,062 eighty thousand and sixty-two
- 99,999 ninety-nine thousand nine hundred and ninety-nine

99,999 is the greatest five-digit number.

What comes after 99,999?

$99999 + 1 = 100000$ (1 lakh or one hundred thousand).

100,000 is the smallest six-digit number.

100 thousands make 100,000.

A comma can separate the thousands digits. This helps in reading the number.

6740 \rightarrow 6,740

45321 \rightarrow 45,321

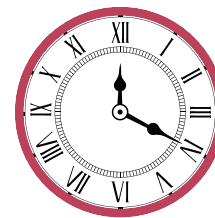


Rewrite the numbers with commas and write their number names.

70642	70,642	seventy thousand six hundred and forty-two
20061		
27054		
36260		
31230		
50555		
71411		

3. Roman Numerals

We use numerals to write numbers. Usually, we use the numerals 0,1,2,3,4,5,6,7,8 and 9. But sometimes we use Roman numerals like I and V. You might have seen these on clock faces or on the sign outside a classroom. The Romans used seven letters as numerals. These numerals and their values are given below.



Roman numeral	I	V	X	L	C	D	M
Value	1	5	10	50	100	500	1000

To form numbers with these numerals, you have to follow certain rules.

- To form larger numbers, I, X, C and M can be repeated up to three times. The number formed is their sum.

$$II = 1 + 1 = 2$$

$$III = 1 + 1 + 1 = 3$$

$$XX = 10 + 10 = 20$$

$$CC = 100 + 100 = 200$$

Do not repeat V, L and D



- A smaller numeral gets added to the greater numeral on its left.

$$VI = 5 + 1 = 6$$

$$VII = 5 + 1 + 1 = 7$$

$$VIII = 5 + 1 + 1 + 1 = 8$$

$$XI = 10 + 1 = 11$$

$$XV = 10 + 5 = 15$$

$$XXII = 10 + 10 + 1 + 1 = 22$$

- A smaller numeral gets subtracted from the greater numeral on its right.

$$IV = 5 - 1 = 4$$

$$IX = 10 - 1 = 9$$

$$XL = 50 - 10 = 40$$

4 is IV NOT IIII.



- A smaller numeral between two greater numerals gets subtracted from the numeral on its right.

$$XIV = 10 + 5 - 1 = 14$$

$$XIX = 10 + 10 - 1 = 19$$

See how these rules are used in writing 1 to 20.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX



Exercise 3 A

1. Write the numbers shown by the Roman numerals.

a.

I	V	X	L	C	D	M

b.

II	III	XX	XXX	CC	CCC

c.

IV	IX	XIV	XIX	XXIV	XXIX

d.

VI	VII	VIII	XI	XII	XIII	XVI	XXI	XXV

2. Write using Roman numerals.

a.

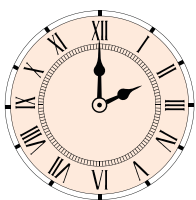
3	4	1	2	9	10	11	15	13	16

b.

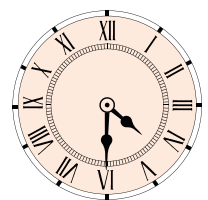
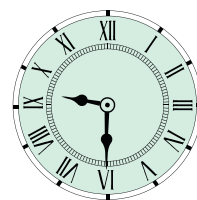
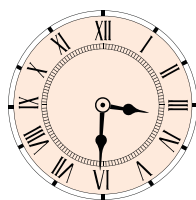
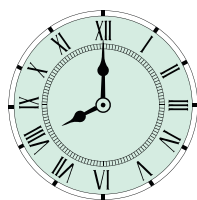
7	5	8	14	18	19	12	6	17	20

3. Write 1 to 20 using Roman numerals.

4. Write the time.



2:00



Revision-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			
Greatest number			

2. Write in the expanded form.

- | | |
|---|---|
| <p>a. 5783</p> <p>c. 6026</p> | <p>b. 7942</p> <p>d. 8607</p> |
|---|---|

3. Write the numbers that follow.

- | | | | | | | | |
|----|------|--|--|--|--|--|--|
| a. | 2064 | | | | | | |
| b. | 2636 | | | | | | |
| c. | 7884 | | | | | | |

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

- | | | | |
|---|--|--|--|
| a. 3867 841 | b. 6706 6076 | c. 5423 5768 | d. 2284 3866 |
|---|--|--|--|

5. Write in descending order.

- | | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|
| <p>a. 4567 2140 5768 4321 5867</p> <p>b. 8801 8108 7911 7091 7191</p> <p>c. 5621 5126 5612 6521 6251</p> | <table border="1" style="width: 100%; height: 100%; border-collapse: collapse; border-style: dashed;"> <tr><td style="width: 25%; height: 25px;"></td><td style="width: 25%; height: 25px;"></td><td style="width: 25%; height: 25px;"></td><td style="width: 25%; height: 25px;"></td></tr> <tr><td style="width: 25%; height: 25px;"></td><td style="width: 25%; height: 25px;"></td><td style="width: 25%; height: 25px;"></td><td style="width: 25%; height: 25px;"></td></tr> <tr><td style="width: 25%; height: 25px;"></td><td style="width: 25%; height: 25px;"></td><td style="width: 25%; height: 25px;"></td><td style="width: 25%; height: 25px;"></td></tr> </table> | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

6. Fill in.

- a. In 2019, the place value of 9 is ____, that of 1 is ____ and that of 2 is ____.
- b. In 3742, the place value of 3 is ____, that of 4 is ____ and that of 7 is ____.
- c. Write the numbers shown by the numerals: XI = ____ IX = ____ VI = ____.
- d. Write in Roman numerals: 5 = ____ 8 = ____ 14 = ____.

4. Simple Addition and Subtraction

First let us go over things you know about addition.



$$5 + 7 + 2 = 14$$

(Diagram: A bracket above 5 and 7 is labeled 12. A bracket above 12 and 2 is labeled 14.)

$$5 + 7 + 2 = 14$$

(Diagram: A bracket above 5 and 2 is labeled 7. A bracket above 7 and 7 is labeled 14.)



The sum of numbers in any order is the same.

number + 0 = same number



$$6 + 0 = 6$$

$$465 + 0 = 465$$

$$23 + 0 = 23$$

$$1378 + 0 = 1378$$

Addition of 10s, 100s and 1000s

$$10 + 10 = 20$$

$$20 + 10 = 30$$

$$40 + 10 = 50$$

$$70 + 10 = 80$$

$$90 + 10 = 100$$

$$100 + 100 = 200$$

$$300 + 100 = 400$$

$$500 + 100 = 600$$

$$700 + 100 = 800$$

$$800 + 100 = 900$$

$$1000 + 1000 = 2000$$

$$5000 + 1000 = 6000$$

$$2000 + 1000 = 3000$$

$$6000 + 1000 = 7000$$

$$3000 + 1000 = 4000$$

$$7000 + 1000 = 8000$$

$$4000 + 1000 = 5000$$

$$8000 + 1000 = 9000$$



Exercise 4A

Add.

$$2 + 5 = \square$$

$$5 + 4 = \square$$

$$7 + 6 = \square$$

$$8 + 8 = \square$$

$$2 + 4 + 3 = \square$$

$$3 + 1 + 6 = \square$$

$$2 + 3 + 4 = \square$$

$$2 + 8 + 1 = \square$$

$$7 + 8 + 9 = \square$$

$$8 + 1 + 4 = \square$$

$$1 + 6 + 3 = \square$$

$$7 + 4 + 0 = \square$$

$$2 + 3 + 4 + 5 = \square$$

$$3 + 5 + 5 + 3 = \square$$

$$4 + 3 + 2 + 0 = \square$$

$$4 + 4 + 4 + 4 = \square$$

$$4 + 2 + 1 + 2 = \square$$

$$7 + 2 + 3 + 5 = \square$$

$$6 + 7 + 4 + 5 = \square$$

$$7 + 8 + 1 + 4 = \square$$

Expand and add.

$$25 + 43$$

$$20 + 5 + 40 + 3$$

$$= 20 + 40 + 5 + 3$$

$$= 60 + 8 = 68.$$

$$163 + 724$$

$$100 + 60 + 3 + 700 + 20 + 4$$

$$= 100 + 700 + 60 + 20 + 3 + 4$$

$$= 800 + 80 + 7 = 887.$$

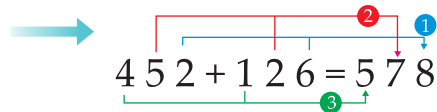
Add 452 and 126.

$$452 + 126$$

$$4 \text{ hundreds} + 5 \text{ tens} + 2 \text{ ones}$$

$$+ 1 \text{ hundred} + 2 \text{ tens} + 6 \text{ ones}$$

$$= 5 \text{ hundred} + 7 \text{ tens} + 8 \text{ ones} = 578.$$



- 1 Add the ones,
- 2 Add the tens,
- 3 Add the hundreds.



Exercise 4B

1. Expand and add.

34 + 63

432 + 56

570 + 27

261 + 125

635 + 222

306 + 592

2. Add.

$22 + 36 = \square$

$42 + 23 = \square$

$62 + 26 = \square$

$158 + 20 = \square$

$136 + 12 = \square$

$15 + 431 = \square$

$232 + 132 = \square$

$103 + 473 = \square$

$176 + 600 = \square$

$576 + 212 = \square$

$431 + 237 = \square$

$615 + 143 = \square$

Add.

H	T	O
3	5	4
+ 4	3	2
<hr/>		
<hr/>		



3 hundreds and 5 tens and 4 ones
+ 4 hundreds and 3 tens and 2 ones
7 hundreds and 8 tens and 6 ones



H	T	O
3	5	4
+ 4	3	2
<hr/>		
<hr/>		

Add
1 the ones,
2 the tens,
3 the hundreds.



Exercise 4C

Add.

H	T	O
	1	4
+		5
<hr/>		
<hr/>		

H	T	O
		2
+ 2	8	4
<hr/>		
<hr/>		

H	T	O
	3	6
+	4	2
<hr/>		
<hr/>		

H	T	O
	4	4
+	3	2
<hr/>		
<hr/>		

H	T	O
5	5	6
+	3	3
<hr/>		
<hr/>		

	2	3
+ 3	4	5
<hr/>		
<hr/>		

	4	3	1
+ 2	5	3	
<hr/>			
<hr/>			

	3	1	2
+ 6	4	5	
<hr/>			
<hr/>			

	7	4	3
+ 2	3	5	
<hr/>			
<hr/>			

	9	1	4
+	8	3	
<hr/>			
<hr/>			

	8	4	6
+ 1	3	1	
<hr/>			
<hr/>			

	3	8	7
+ 5	0	2	
<hr/>			
<hr/>			

	6	2	5
+ 2	6	3	
<hr/>			
<hr/>			

	8	5	4
+ 1	2	3	
<hr/>			
<hr/>			

	5	0	8
+ 4	8	1	
<hr/>			
<hr/>			

Add.

H	T	O
	1	5
+	3	2
<hr/>		
<hr/>		

H	T	O
	1	5
+	8	1
<hr/>		
<hr/>		

H	T	O	
	3	4	5
+ 1	4	0	
<hr/>			
<hr/>			

H	T	O
	5	4
+ 6	3	0
<hr/>		
<hr/>		

H	T	O	
	6	3	2
+ 2	6	1	
<hr/>			
<hr/>			

	5	2	7
+ 4	5	2	
<hr/>			
<hr/>			

	2	3	4
+ 2	3	4	
<hr/>			
<hr/>			

	2	1	7
+ 6	5	2	
<hr/>			
<hr/>			

	2	5	6
+ 7	4	3	
<hr/>			
<hr/>			

	7	6	5
+ 1	2	3	
<hr/>			
<hr/>			

Add.

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

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

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

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

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

$$\begin{array}{r} 26 \\ + 32 \\ + 41 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 51 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 21 \\ + 33 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ + 14 \\ + 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ + 22 \\ + 34 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ + 25 \\ + 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 21 \\ + 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 15 \\ + 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 31 \\ + 30 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 51 \\ + 34 \\ \hline \\ \hline \end{array}$$

Add.

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

$$\begin{array}{r} \text{H T O} \\ 33 \\ + 431 \\ + 311 \\ \hline \\ \hline \end{array}$$

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

$$\begin{array}{r} \text{H T O} \\ 2 \\ + 24 \\ + 853 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 705 \\ + 11 \\ + 82 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 512 \\ + 114 \\ + 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 440 \\ + 230 \\ + 120 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 320 \\ + 100 \\ + 140 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 525 \\ + 273 \\ + 101 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 214 \\ + 310 \\ + 413 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 361 \\ + 212 \\ + 216 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 650 \\ + 225 \\ + 104 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 112 \\ + 332 \\ + 412 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 404 \\ + 253 \\ + 331 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 631 \\ + 133 \\ + 224 \\ \hline \\ \hline \end{array}$$

Add.

$$\begin{array}{r} 4 \\ + 3 \\ + 2 \\ + 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 6 \\ + 5 \\ + 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 11 \\ + 3 \\ + 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 3 \\ + 21 \\ + 50 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 5 \\ + 21 \\ + 61 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 2 \\ + 41 \\ + 33 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ + 13 \\ + 12 \\ + 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ + 10 \\ + 2 \\ + 24 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 15 \\ + 10 \\ + 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ + 23 \\ + 11 \\ + 20 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 31 \\ + 20 \\ + 14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 51 \\ + 24 \\ + 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 10 \\ + 23 \\ + 14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 22 \\ + 13 \\ + 14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 11 \\ + 26 \\ + 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ + 23 \\ + 20 \\ + 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 10 \\ + 13 \\ + 52 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 20 \\ + 12 \\ + 14 \\ \hline \\ \hline \end{array}$$

Add.

$$\begin{array}{r} 2 \\ + 34 \\ + 340 \\ + 410 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 12 \\ + 560 \\ + 222 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 253 \\ + 2 \\ + 34 \\ + 400 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 321 \\ + 442 \\ + 100 \\ + 113 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 122 \\ + 123 \\ + 222 \\ + 531 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 203 \\ + 412 \\ + 251 \\ + 131 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 230 \\ + 220 \\ + 210 \\ + 200 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 125 \\ + 152 \\ + 511 \\ + 211 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 134 \\ + 302 \\ + 351 \\ + 101 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ + 351 \\ + 120 \\ + 212 \\ \hline \\ \hline \end{array}$$

Addition of Four-digit Numbers

Th H T O	4 2 3 5	→	4 thousands and 2 hundreds and 3 tens and 5 ones
+	2 6 5 2	←	+ 2 thousands and 6 hundreds and 5 tens and 2 ones
	6 8 8 7		6 thousands and 8 hundreds and 8 tens and 7 ones

Add

- 1 the ones,
- 2 the tens,
- 3 the hundreds,
- 4 the thousands.



Exercise 4D

Add.

Th	H	T	O
2	5	3	4
+	4	3	1

Th	H	T	O
5	4	6	7
+	1	3	1

Th	H	T	O
2	0	2	3
+	1	5	4

Th	H	T	O
1	2	5	5
+	3	4	3

2	4	5	3
+	6	5	3

5	1	4	3
+	1	7	4

8	4	9	6
+	1	5	0

1	3	4	3
+	8	5	5

1	2	3	4
+	4	3	2

6	7	5	3
+	1	2	2

8	5	4	2
+	1	3	2

6	5	6	5
+	2	3	1

Do these sums in your notebook.

2634 + 132

3546 + 230

3401 + 1266

1417 + 2582

2305 + 5683

5714 + 2174



Add.

Th	H	T	O	
4	1	2	3	
+	2	6	2	0
+	1	0	4	5
<hr/>				
7	7	8	8	

Th	H	T	O	
6	3	4	7	
+	1	3	2	0
+	2	1	2	
<hr/>				

Th	H	T	O	
4	3	4	5	
+	2	3	4	3
+	3	1	0	
<hr/>				

Th	H	T	O
8	0	3	1
+	5	2	2
+	2	4	
<hr/>			

5	4	2	5	
+	2	1	0	3
+	1	4	4	0
<hr/>				

6	1	1	4	
+	1	5	3	2
+	2	2	4	3
<hr/>				

4	2	5	3	
+	2	2	3	1
+	1	4	1	1
<hr/>				

3	1	6	6	
+	3	2	0	2
+	2	3	2	1
<hr/>				

Do these sums in your notebook.

$4524 + 321 + 23$

$7431 + 1327 + 40$

$1220 + 1334 + 4324$

$5425 + 3232 + 1010$



Add.

4	3	1	0	
+	1	2	2	4
+	1	0	2	1
+	2	3	1	2
<hr/>				
8	8	6	7	

8	2	2	3
+	4	3	1
+	2	2	
+	3		
<hr/>			

4	2	2	1	
+	3	0	2	2
+	1	1	1	3
+	6	4	2	
<hr/>				

3	1	2	1	
+	4	5	3	0
+	1	3	1	4
+	1	0	2	3
<hr/>				

4	5	0	2	
+	1	0	2	3
+	2	1	3	2
+	1	2	3	1
<hr/>				

3	4	5	6	
+	2	0	2	1
+	2	1	0	1
+	1	2	2	1
<hr/>				

3	1	1	4	
+	2	4	3	1
+	1	2	1	3
+	1	1	2	1
<hr/>				

4	0	0	0	
+	2	8	0	0
+	2	0	0	9
+	1	0	9	0
<hr/>				



more sums = strong maths

Add.

$$\begin{array}{r} 7\ 4\ 3\ 2 \\ +\ 4\ 6\ 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9\ 2\ 0\ 4 \\ +\ 6\ 5\ 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3\ 0\ 3\ 2 \\ +\ 5\ 9\ 4\ 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6\ 5\ 3\ 4 \\ +\ 1\ 2\ 5\ 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2\ 5\ 3\ 2 \\ +\ 2\ 4\ 3\ 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7\ 2\ 3\ 5 \\ +\ 1\ 3\ 5\ 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4\ 6\ 5\ 0 \\ +\ 3\ 1\ 2\ 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5\ 6\ 2\ 3 \\ +\ 3\ 1\ 6\ 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6\ 4\ 2\ 1 \\ +\ 3\ 0\ 1 \\ +\ 5\ 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4\ 2\ 3\ 2 \\ +\ 2\ 0\ 3\ 1 \\ +\ 1\ 4\ 1\ 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3\ 1\ 3\ 0 \\ +\ 2\ 0\ 4\ 7 \\ +\ 2\ 6\ 2\ 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5\ 0\ 1\ 2 \\ +\ 6\ 3\ 1 \\ +\ 4\ 0 \\ +\ 1\ 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2\ 3\ 1\ 2 \\ +\ 3\ 2\ 0\ 0 \\ +\ 1\ 0\ 3\ 4 \\ +\ 1\ 3\ 3\ 2 \\ \hline \\ \hline \end{array}$$

Do these sums in your notebook.

$$5640 + 1123$$

$$6031 + 1723 + 1142$$

$$7545 + 1430$$

$$5022 + 2632 + 1101$$

$$4104 + 2533$$

$$6211 + 112 + 43 + 2$$

$$2312 + 5487$$

$$2310 + 3104 + 1131 + 2354$$



Word Problems

1. A toy shop has 130 cars and 111 trains. It has 55 more dolls than the number of cars and trains together. How many dolls does the shop have?



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

The shop has 296 dolls.



2. For the first show of a circus, 573 tickets were sold. For the second show, 425 tickets were sold. What was the total number of tickets sold?

3. A cobbler mended 25 shoes on Sunday, 30 shoes on Monday and 24 shoes on Tuesday. How many shoes did he mend in all?





4. Shashi is 8 years old. Her brother is 10 years old. Their mother's age is 20 years more than the sum of their ages. How old is their mother?

Do these sums in your notebook.

In a school, the girls planted 223 saplings. The boys planted 165 more saplings than the girls did. How many saplings did the boys plant?

Mr Swami bought 300 blue bulbs, 250 red bulbs and 135 yellow bulbs on Diwali. How many bulbs did he buy altogether?

A milk van was carrying 2435 packets of toned milk and 2160 packets of flavoured milk. How many packets was it carrying altogether?

A florist (flower seller) bought 1210 pink roses, 1140 yellow roses and 1535 white roses. How many roses did he buy in total?

Review of Subtraction

$7 - 0 = 7$

$26 - 0 = 26$

$891 - 0 = 891$

number - 0 = same number



number - same number = 0

$4 - 4 = 0$

$53 - 53 = 0$

$637 - 637 = 0$

Addition of 10s, 100s and 1000s

$20 - 10 = 10$

$30 - 10 = 20$

$50 - 10 = 40$

$70 - 10 = 60$

$90 - 10 = 80$

$200 - 100 = 100$

$300 - 100 = 200$

$600 - 100 = 500$

$800 - 100 = 700$

$900 - 100 = 800$

$2000 - 1000 = 1000$

$3000 - 1000 = 2000$

$4000 - 1000 = 3000$

$5000 - 1000 = 4000$

$6000 - 1000 = 5000$

$7000 - 1000 = 6000$

$8000 - 1000 = 7000$

$9000 - 1000 = 8000$

Subtract.

T	O
9	8
-	2
2	5

→ 9 tens and 8 ones
- 2 tens and 5 ones
7 tens and 3 ones

T	O
9	8
-	2
2	5
7	3

$$98 - 25 = 73$$

①
②

Subtract.

H	T	O
7	4	3
-	3	4
3	4	2

→ 7 hundreds and 4 tens and 3 ones
- 3 hundreds and 4 tens and 2 ones
4 hundreds and 0 tens and 1 one

H	T	O
7	4	3
-	3	4
3	4	2
4	0	1

$$743 - 342 = 401$$

①
②
③

Subtract

- ① the ones,
- ② the tens,
- ③ the hundreds.





Exercise 4E

Subtract.

$8 - 5 = \square$

$16 - 4 = \square$

$18 - 6 = \square$

$25 - 3 = \square$

$56 - 22 = \square$

$48 - 11 = \square$

$57 - 34 = \square$

$88 - 66 = \square$

$185 - 35 = \square$

$280 - 40 = \square$

$498 - 56 = \square$

$837 - 321 = \square$

$143 - 110 = \square$

$863 - 652 = \square$

$215 - 204 = \square$

$789 - 678 = \square$

Subtract.

H	T	O
7	6	
-	4	4

H	T	O
7	8	
-	3	3

H	T	O
8	9	
-	5	6

H	T	O
1	8	3
-	6	2

H	T	O
2	5	8
-	5	7

5	7	6
-	3	5

6	9	8
-	7	2

5	4	3
-	4	3

4	6	8
-	4	1

7	4	6
-	6	4

7	6	8
-	5	4

8	6	5
-	6	3

7	4	8
-	5	1

8	9	9
-	6	0

7	5	7
-	2	1

Do these sums in your notebook.

$56 - 36$

$487 - 36$

$396 - 255$

$758 - 457$

$697 - 154$

$725 - 402$



Subtraction of Four-digit Numbers

Th	H	T	O
7	8	4	5
-	5	4	3
<hr/>			
2	4	1	3



7 thousands and 8 hundreds and 4 tens and 5 ones
 - 5 thousands and 4 hundreds and 3 tens and 2 ones

 2 thousands and 4 hundreds and 1 tens and 3 ones

Subtract
 ① the ones,
 ② the tens,
 ③ the hundred,
 ④ the thousands.



Exercise 4F

Subtract.

$$\begin{array}{r} 1754 \\ - 234 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2938 \\ - 406 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6587 \\ - 372 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3629 \\ - 2612 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3987 \\ - 3332 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4576 \\ - 2123 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6821 \\ - 5621 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8764 \\ - 6123 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5386 \\ - 4382 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6845 \\ - 3532 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6889 \\ - 5327 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4125 \\ - 3113 \\ \hline \\ \hline \end{array}$$

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

$$\begin{array}{r} 8888 \\ - 7654 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5897 \\ - 2363 \\ \hline \\ \hline \end{array}$$

Do these sums in your notebook.

$$3579 - 2345$$

$$7777 - 3456$$

$$8469 - 8136$$

$$9999 - 8765$$

$$7866 - 7334$$

$$8888 - 4567$$

$$7175 - 4140$$

$$5555 - 2345$$

$$8406 - 3102$$

$$6666 - 5342$$



Word Problems

1. Neena's mother is 32 years old. Her grandmother is 59 years old. What is the difference in age between them?



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

The difference in age is 27 years.



2. On Sunday, 46 children took the toy-train ride at a park. On Monday, 14 less children took the ride. How many took the ride on Monday?

3. India scored 123 runs more than Sri Lanka. If India scored 357 runs, how many runs did Sri Lanka score?





4. Of the 845 students in a school, 432 play football. How many do not play football?

Do these sums in your notebook.

By how much is 98 greater than 83?

By how much is 125 less than 385?

Sameer scored 5761 points in a game and Rakesh scored 7883 points. What was the difference between their scores?

A baker has to bake 3960 cup cakes. If he has baked 2430 cakes, how many more does he have to bake?

Ram and Shyam reached the finals of a music contest. Ram got 7389 votes and won by 266 votes. How many votes did Shyam get?



$$48 + 21 = 69 \text{ (sum)}$$

$$69 - 48 = 21$$

$$69 - 21 = 48$$

$$125 + 243 = 368 \text{ (sum)}$$

$$368 - 125 = 243$$

$$368 - 243 = 125$$

sum - one number
= the other number

Fill in.

$33 + 55 = \square$

$88 - \square = 33$

$88 - \square = 55$

$25 + 73 = \square$

$98 - \square = 25$

$98 - \square = 73$

$140 + 220 = \square$

$360 - \square = 140$

$360 - \square = 220$

$213 + 321 = \square$

$534 - \square = 213$

$534 - \square = 321$

Fill in.

$$\begin{array}{r} 513 \\ + 36\square \\ \hline 878 \end{array}$$

$$\begin{array}{r} 6\square2 \\ + 325 \\ \hline 977 \end{array}$$

$$\begin{array}{r} 3\square\square \\ + 231 \\ \hline 592 \end{array}$$

$$\begin{array}{r} 64\square \\ + \square32 \\ \hline 773 \end{array}$$

$$\begin{array}{r} \square34 \\ + 2\square5 \\ \hline 999 \end{array}$$

$$\begin{array}{r} 34\square \\ + 52\square \\ \hline 860 \end{array}$$

Fill in.

$60 + 20 = \square + 30$

$32 + 44 = 34 + \square$

$80 + 19 = 81 + \square$

$14 + \square = 13 + 15$

$\square + 31 = 24 + 32$

$42 + \square = 44 + 50$

Fill in > or <.

$I \square II$

$V \square IV$

$VI \square IV$

$XI \square X$

$VII \square V$

$III \square IV$

$X \square VII$

$VIII \square IX$

$XI \square IX$

$X \square IX$

Match.

$3 + 7$	$48 - 36$
$4 + 6 + 5$	$80 + 17$
XII	X
$24 + 35$	$95 - 80$
$91 + 6$	$33 + 26$



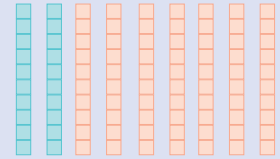
Do and Digest

Aim To review of regrouping

Things needed Sheets of squared paper from mathematics notebook, crayons, scissors

Do and Learn

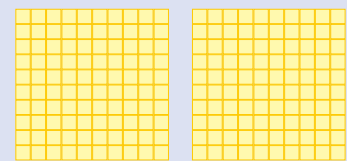
1. Cut strips of squared paper. Each strip should have 10 squares. Colour two strips blue and the others pink.



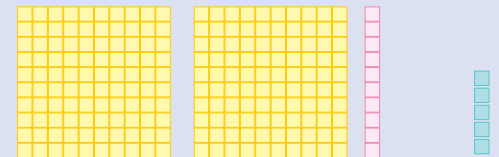
2. Cut square from the blue strips. A blue square = 1. A pink strip = 10.



3. Cut squares pieces that have 100 squares. Colour them green. A large green square = 100. You can 'exchange' a pink strip (10) for ten blue squares (1) You can also exchange a green square (100) for ten pink strips.

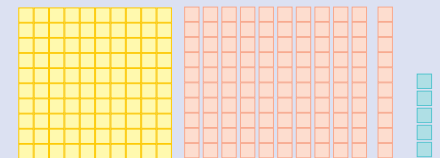


4. Show 2-digit or 3-digit numbers using the ones, tens and hundreds pieces, For example, you can show 215 as:



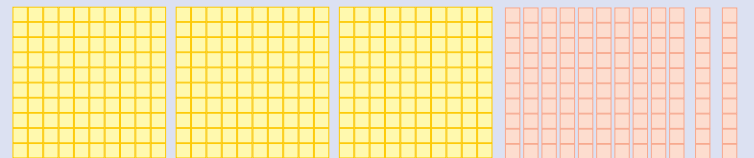
$$215 = 2 \text{ hundreds} + 1 \text{ tens} + 5 \text{ ones}$$

5. You can regroup by changing a hundred to 10 tens. Sometimes while subtracting we borrow a ten, hundred or thousand by regrouping like this.



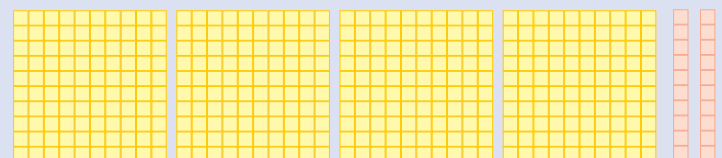
$$215 = 1 \text{ hundreds} + 11 \text{ tens} + 5 \text{ ones}$$

6. The number 420 can be shown as:



$$420 = 3 \text{ hundreds} + 12 \text{ tens} + 0 \text{ ones}$$

7. You can regroup by changing 10 tens to one hundred. We sometimes have to carry a ten, hundred or thousand while adding. We do it by regrouping.



$$420 = 4 \text{ hundreds} + 2 \text{ tens} + 0 \text{ ones}$$

8. Show how the number 123, 345 and 627 can be shown in different ways by regrouping.

Answers to Selected Exercises

EXERCISE - 3A

- (a) 1, 5, 10, 50, 100, 500, 1000 (b) 2, 3, 20, 30, 300, 300
(c) 4, 9, 14, 19, 24, 29 (d) 6, 7, 8, 11, 12, 13, 16, 21, 25
- (a) III, IV, I, II, IX, X, XI, XV, XIII, XVI
(b) VII, V, VIII, XIV, XVIII, XIX, XII, VI, XVII, XX
- Do yourself 4.2:00 8:00 3:30 9:30 4:30

Revision-1

- Smallest number 257 203 468
Greatest number 752 320 864
- (a) $5000+700+80+3$ (b) $7000+900+40+2$
(c) $6000+0+20+6$ (d) $8000+600+0+7$
- (a) 2067, 2066, 2067, 2068, 2069, 2070
(b) 2637, 2638, 2639, 2640, 2641, 2642
(c) 7885, 7886, 7887, 7888, 7879, 7880
- (a) $>$ (b) $>$ (c) $<$ (d) $<$
- (a) 5867, 5786, 4567, 4321, 2140 (b) 8801, 8108, 7911, 7191, 7091
(c) 6521, 6251, 5621, 5612, 5126
- (a) 9, 10, 2000 (b) 3000, 40, 700 (c) 11, 9, 6 (d) V, VIII, XIV

EXERCISE - 5A

- (a) 75 (b) 82 (c) 65 (d) 461 (e) 275
(f) 474 (g) 810 (h) 963 (i) 793 (j) 982
- (a) 6867 (b) 3780 (c) 2775 (d) 5743 (e) 6471
(f) 7342 (g) 6894 (h) 8784
- (a) 91 (b) 46 (c) 75 (d) 82 (e) 92
- (a) 472 (b) 665 (c) 895 (d) 880 (e) 982
- (a) 6680 (b) 7874 (c) 8968 (d) 7882 (e) 8880
(f) 8882 (g) 8977 (h) 6895
- (a) 81 (b) 93 (c) 86 (d) 90 (e) 74
- (a) 771 (b) 884 (c) 786 (d) 690 (e) 780
- (a) 4685 (b) 9976 (c) 8783 (d) 9762

EXERCISE - 5B

- (a) 127 (b) 107 (c) 129 (d) 141 (e) 402
(f) 544 (g) 847 (h) 514 (i) 824 (j) 800
- (a) 6418 (b) 4800 (c) 7734 (d) 8635 (e) 8913
(f) 3460 (g) 7631 (h) 9685
- (a) 129 (b) 156 (c) 206 (d) 122 (e) 291
(f) 641 (g) 476 (h) 985 (i) 821 (j) 900
- (a) 3539 (b) 3571 (c) 8916 (d) 9789 (e) 7825
(f) 7580 (g) 8820 (h) 9624
- (a) 117 (b) 188 (c) 112 (d) 144 (e) 135
- (a) 306 (b) 838 (c) 804 (d) 926 (e) 826
- (a) 1727 (b) 5837 (c) 6860 (d) 7841

EXERCISE - 5C

- (a) 1196 (b) 1043 (c) 1057 (d) 1223 (e) 1616
- (a) 2177 (b) 3049 (c) 4101 (d) 5341 (e) 4199
(f) 6419 (g) 8000 (c) 8122
- (a) 1579 (b) 1492 (c) 1455 (d) 2040 (e) 2501
- (a) 8249 (b) 7562 (c) 9258 (d) 8200
- (a) 1499 (b) 1374 (c) 1552 (d) 2281 (e) 2227
- (a) 9058 (b) 8452 (c) 9133 (d) 8301
- (a) 85 (b) 72 (c) 111 (d) 133 (e) 134
(f) 452 (g) 700 (h) 841 (i) 1493 (j) 1030
(k) 1300 (l) 1903 (m) 5831 (n) 5144 (o) 3330
(p) 3822 (q) 5115 (r) 9022 (s) 5232 (t) 9000
(u) 73 (v) 674 (w) 657 (x) 6031

EXERCISE - 5D

- 264
- 574
- 7030
- 345
- (a) 63 years (b) 9476 (c) 7054 (d) 4914

EXERCISE - 6A

- (a) 28 (b) 48 (c) 19 (d) 24 (e) 13
(f) 25 (g) 19 (h) 18 (i) 18 (j) 18
- (a) 107 (b) 317 (c) 207 (d) 229 (e) 36
(f) 248 (g) 229 (h) 55 (i) 563 (j) 237
- (a) 1237 (b) 2302 (c) 2116 (d) 4029 (e) 16
(f) 3857 (g) 28 (h) 1008

EXERCISE - 6B

- (a) 592 (b) 190 (c) 474 (d) 242 (e) 166
(f) 486 (g) 372 (h) 68 (i) 665 (j) 75
- (a) 5392 (b) 1399 (c) 1290 (d) 3128 (e) 6299
(f) 4668 (g) 2156 (h) 58
- (a) 72 (b) 371 (c) 696 (d) 558 (e) 64
(f) 104 (g) 278 (h) 57 (i) 1376 (j) 1098
(k) 965 (l) 84

EXERCISE - 6C

- (a) 5722 (b) 2661 (c) 1917 (d) 3790 (e) 894 (f) 1866
(g) 1488 (h) 3148 (i) 3847 (j) 1809 (k) 1545 (l) 1864

EXERCISE - 6D

- (a) 66 (b) 57 (c) 10 (d) 28 (e) 16
- (a) 318 (b) 386 (c) 148 (d) 151 (e) 238
(f) 309 (g) 297 (h) 256 (i) 340 (j) 494
- (a) 3209 (b) 5367 (c) 6989 (d) 5617 (e) 79
(f) 889 (g) 1778 (h) 3589
- (a) 39 (b) 198 (c) 557 (d) 647 (e) 217 (f) 25
(g) 199 (h) 450 (i) 37 (j) 988 (k) 1898 (l) 2738

EXERCISE - 6E

- (a) 61 (b) 44 (c) 35 (d) 70 (e) 1
(f) 24 (g) 83 (h) 0
- (a) 185 (b) 640 (c) 277 (d) 192 (e) 285
(f) 614 (g) 250 (h) 690
- (a) 4927 (b) 0 (c) 2357 (d) 1418 (e) 1430 (f) 6637

EXERCISE - 6F

- 17 2. 33 years 3. 646 4. 3805
- (a) 496 (b) 1214 (c) 6067 (d) 250 (e) 2672

EXERCISE - 6G

- 318 4. 995 5. (a) 53 (b) Monday (c) 1527 (d) 2184

Revision-2

- (a) $8000+600+70+2$ (b) 752 (c) 506
(d) Seven thousand six hundred and four (e) 6050 (f) 8000, 300, 40
(g) 60, 100, 5 (h) 5, 8, 19
- (a) 7543 (b) 8113 (c) 5389 (d) 2527
- (a) 894 (b) 180 (c) 1079 (d) 7028
- (a) 882 (b) 237 (c) 6421
- (a) 8915 (b) 876 (c) 564

EXERCISE - 7B

- (a) 55 (b) 24 (c) 26 (d) 39 (e) 62
(f) 80 (g) 88 (h) 96 (i) 93 (j) 48
- (a) 65 (b) 72 (c) 42 (d) 96 (e) 75
(f) 75 (g) 56 (h) 81 (i) 90 (j) 96
- (a) 108 (b) 136 (c) 135 (d) 188 (e) 110
(f) 312 (g) 224 (h) 170 (i) 272 (j) 675
- (a) 60 (b) 96 (c) 119 (d) 95 (e) 96 (f) 264
(g) 258 (h) 165 (i) 376 (j) 558 (k) 396 (l) 656

EXERCISE - 7C

- 64 2.24 3.32 4.112
- (a) 96 (b) 72 (c) 168 (d) 225 (e) February (28 days)

EXERCISE - 7D

- (a) 448 (b) 286 (c) 606 (d) 696 (e) 800
(f) 874 (b) 470 (c) 675 (d) 522 (e) 832
(f) 468 (g) 915 (h) 904 (i) 921 (j) 721
- (a) 805 (b) 1002 (c) 1030 (d) 738 (e) 1428
(f) 1945 (g) 4788 (h) 1029 (i) 2520 (j) 3535
- (a) 372 (b) 1332 (c) 2310 (d) 1038 (e) 2168 (f) 1758

EXERCISE - 7E

- (a) 480 (b) 260 (c) 690 (d) 3210 (e) 2430 (f) 8060
(g) 80 (h) 180 (i) 300 (j) 420 (k) 750 (l) 880
- (a) 800 (b) 1500 (c) 2500 (d) 1000 (e) 3000 (f) 5500
(g) 1800 (h) 4200 (i) 4500 (j) 3600 (k) 3200 (l) 5200
(m) 4200 (n) 8000 (o) 3400 (p) 6600
- (a) 3000 (b) 6000 (c) 5000 (d) 8000 (e) 8000
(f) 9000 (g) 4000 (h) 6000

4. (a) 750 (b) 1120 (c) 900 (d) 680 (e) 1120 (f) 960
 (g) 930 (h) 1000 (i) 1440 (j) 4900 (k) 2320 (l) 2160
 5. (a) 3960 (b) 4800 (c) 2860 (d) 5060 (e) 4920 (f) 7350
 (g) 6000 (h) 9000 (I) 4580 (j) 9760
 6. (a) 5600 (b) 5100 (c) 7200 (d) 8400 (e) 7200 (f) 4400
 (g) 9900 (h) 9000 (I) 8600 (j) 7800
 7. (a) 2880 (b) 2520 (c) 1120 (d) 3320 (e) 2800 (f) 2820
 8. (a) 4260 (b) 9300 (c) 6300 (d) 6600 (e) 6520 (f) 9450

EXERCISE - 7F

1. (a) 143 (b) 156 (c) 225 (d) 352 (e) 792
 (f) 774 (g) 1836 (h) 2108 (i) 3212 (j) 5332
 2. (a) 253 (b) 704 (c) 448 (d) 442 (e) 726 (f) 759
 3. (a) 360 (b) 560 (c) 864 (d) 1518 (e) 2275 (f) 529
 4. (a) 884 (b) 1287 (c) 2914 (d) 3312 (e) 1914 (f) 3740

EXERCISE - 7G

1. (a) 1736 (b) 2145 (c) 3055 (d) 3312 (e) 3808 (f) 3280
 (g) 5406 (h) 7434 (i) 6756 (j) 5940 (k) 4068 (l) 9482
 (m) 5280 (n) 8056 (o) 8272

EXERCISE - 7H

1. 925 2. 1210 3. 300 4. 720 5. (a) 4320 (b) 720 (c) 1056 (d) 1960 (e) 5110

EXERCISE - 8B

1. (a) 23 (b) 12 (c) 12 (d) 11 (e) 34 (f) 41 (g) 22 (h) 21
 2. (a) 12 (b) 23 (c) 42 (d) 11 3. (a) 22 (b) 21 (c) 11 (d) 33

EXERCISE - 8C

1. (a) 132 (b) 322 (c) 221 (d) 304 (e) 203 (f) 130 (g) 220 (h) 202
 2. (a) 111 (b) 234 (c) 121 (d) 222 3. (a) 201 (b) 204 (c) 103 (d) 111
 4. (a) 130 (b) 324 (c) 320 (d) 203 5. (a) 300 (b) 400 (c) 200 (d) 300
 6. (a) 232 (b) 111 (c) 111 (d) 432 7. (a) 302 (b) 201 (c) 110 (d) 404
 8. (a) 120 (b) 101 (c) 120 (d) 230 9. (a) 200 (b) 100 (c) 100 (d) 100

EXERCISE - 8D

1. (a) 1223 (b) 1122 (c) 1123 (d) 1022 (e) 1002 (f) 2003 (g) 3400 (h) 3000
 2. (a) 1224 (b) 2123 (c) 1423 (d) 2414
 3. (a) 2304 (b) 1023 (c) 2203 (d) 2201
 4. (a) 3004 (b) 1002 (c) 1002 (d) 1011
 5. (a) 3210 (b) 1130 (c) 2210 (d) 1010
 6. (a) 4300 (b) 3200 (c) 1200 (d) 1010
 7. (a) 2000 (b) 2000 (c) 1000 (d) 1000
 8. (a) 1213 (b) 3212 (c) 1122 (d) 1111
 9. (a) 1024 (b) 2003 (c) 3200 (d) 1102

EXERCISE - 8E

1. (a) 3, remainder 1, dividend = $2 \times 3 + 1 = 7$
 (b) 2, remainder 1, dividend = $4 \times 2 + 1 = 9$
 (c) 11, remainder 2, dividend = $5 \times 11 + 2 = 57$
 (d) 11, remainder 1, dividend = $7 \times 11 + 1 = 78$
 2. (a) 231, remainder 2 (b) 111, remainder 1
 (c) 1422, remainder 1 (d) 2312, remainder 1
 3. (a) 42, R=1 (b) 22, R=1 (c) 12, R=1 (d) 20, R=1 (e) 22, R=2
 4. (a) 111, R=1 (b) 232, R=1 (c) 232, R=1 (d) 212, R=1 (e) 111, R=1
 5. (a) 102, R=1 (b) 102, R=1 (c) 101, R=1 (d) 100, R=3 (e) 100, R=6
 6. (a) 230, R=1 (b) 210, R=2 (c) 210, R=2 (d) 990, R=5 (e) 110, R=4
 7. (a) 3421, R=1 (b) 3222, R=1 (c) 2111, R=3 (d) 3412, R=1 (e) 2121, R=1
 8. (a) 3022, R=1 (b) 2301, R=2 (c) 1021, R=2 (d) 2302, R=1 (e) 2102, R=1
 9. (a) 953, R=2 (b) 2110, R=2 (c) 2310, R=2 (d) 1100, R=3 (e) 1300, R=1

EXERCISE - 9A

1. (a) 16, R=0; Dividend = $2 \times 16 + 0 = 32$ (b) 18, R=0; Dividend = $3 \times 18 + 0 = 54$
 (c) 14, R=0; Dividend = $4 \times 14 + 0 = 56$ (d) 14, R=0; Dividend = $5 \times 14 + 0 = 70$
 2. (a) 374, R=0 (b) 54, R=1 (c) 1152, R=0 (d) 209, R=1
 3. (a) 15, R=0 (b) 19, R=2 (c) 19, R=0 (d) 14, R=0 (e) 12, R=0
 4. (a) 36, R=1 (b) 13, R=3 (c) 13, R=3 (d) 26, R=1 (e) 13, R=7
 5. (a) 371, R=0 (b) 163, R=0 (c) 241, R=1 (d) 121, R=1 (e) 129, R=0
 6. (a) 114, R=0 (b) 225, R=0 (c) 105, R=5 (d) 101, R=0 (e) 106, R=1
 7. (a) 71, R=0 (b) 77, R=1 (c) 75, R=0 (d) 66, R=0 (e) 73, R=2
 8. (a) 240, R=2 (b) 130, R=3 (c) 60, R=4 (d) 105, R=0 (e) 56, R=6
 9. (a) 819, R=0 (b) 928, R=2 (c) 827, R=0 (d) 815, R=0 (e) 713, R=5
 10. (a) 16, R=0 (b) 15, R=0 (c) 16, R=1 (d) 14, R=0

11. (a) 162, R=0 (b) 256, R=0 (c) 149, R=2 (d) 121, R=6
 12. (a) 229, R=0 (b) 114, R=1 (c) 103, R=2 (d) 108, R=0
 13. (a) 58, R=0 (b) 41, R=2 (c) 80, R=0 (d) 80, R=2
 14. (a) 1826, R=0 (b) 804, R=0 (c) 1010, R=5 (d) 906, R=0

EXERCISE - 9B

1. (a) 10, R=5 (b) 12, R=0 (c) 35, R=0 (d) 9, R=6
 2. (a) 21, R=0 (b) 30, R=7 (c) 62, R=0 (d) 9, R=3
 3. (a) 21, R=0 (b) 32, R=10 (c) 40, R=5 (d) 9, R=3
 4. (a) 21, R=0 (b) 30, R=4 (c) 62, R=0 (d) 9, R=4
 5. (a) 40, R=0 (b) 21, R=0 (c) 53, R=2 (d) 8, R=8

EXERCISE - 9C

3. 18 4. 12 5. 15, flowers left = 5
 6. (a) 11 (b) 12 (c) 24 (d) 17, flowers left = 3

Revision-3

1. (a) 90 (b) 259 (c) 672 (d) 3036 (e) 2538
 2. (a) 2040 (b) 2940 (c) 4650 (d) 9630 (e) 7200
 3. (a) 1056 (b) 4050 (c) 5244 (d) 8316 (e) 8937
 4. (a) 29, R=1; dividend = $2 \times 29 + 1$ (b) 23, R=3; dividend = $4 \times 23 + 3$
 (c) 6, R=0; dividend = $12 \times 6 + 0$ (d) 6, R=1; dividend = $15 \times 6 + 1$
 5. (a) 67, R=0 (b) 105, R=2 (c) 481, R=3 (d) 509, R=7

EXERCISE 14A

1. (a) 800P (b) 5500P (c) 8000P (d) 650P (e) 1500P (f) 7550P
 2. (a) ₹ 25.25 (b) ₹ 2.55 (c) ₹ 0.40 (d) ₹ 00.05 (e) ₹ 28 (f) ₹ 555.55
 (g) ₹ 827.15
 3. (a) 650 (b) 5000 (c) 6800 (d) 50.00 (e) 57.75 (f) 88.50

EXERCISE 14B

1. (a) 80P (b) 55P (c) 90P (d) ₹ 46 85 P (e) ₹ 108 20 P
 2. (a) ₹ 260.65 (b) ₹ 605.00 (c) ₹ 630.25 (d) ₹ 860.00
 3. (a) ₹ 3479.70 (b) ₹ 479.80 (c) ₹ 596.10 (d) ₹ 7902
 4. (a) ₹ 134.20 (b) ₹ 695.60 (c) ₹ 6618 (d) ₹ 227.55 (e) ₹ 8110.15
 5. (a) 35P (b) 45P (c) ₹ 20.40 (d) ₹ 28.75 (e) ₹ 46.75
 6. (a) ₹ 518.90 (b) ₹ 476.25 (c) ₹ 5059.35 (d) ₹ 6250.8
 7. (a) ₹ 125.30 (b) ₹ 331.35 (c) ₹ 1177.60
 8. (a) ₹ 134.30 (b) ₹ 202.75 (c) ₹ 5734.50

EXERCISE 14C

1. (a) 75 P (b) 280 P (c) 140 P (d) 2500P (e) ₹ 56
 (f) Rs 66 (g) Rs 240 (h) Rs 1200
 2. (a) Rs 39.90 (b) Rs 125.75 (c) Re 1.75 (d) Rs 437.50 (e) Rs 337.75
 (f) Rs 484.50 (g) Rs 606.00 (h) Rs 935.10
 3. (a) 595 P (b) Rs 276 (c) Rs 4.25 (d) Rs 68.00 (e) Rs 327.15
 (f) ₹ 514.50 (g) ₹ 1051.95 (h) ₹ 4041.25

EXERCISE 14D

1. (a) 5P (b) 100P (c) ₹ 6 (d) ₹ 6 (e) ₹ 7 (f) ₹ 4 (g) ₹ 7 (h) ₹ 100
 2. (a) ₹ 8.10 (b) ₹ 6.05 (c) ₹ 6.10 (d) ₹ 6.05
 3. (a) 6 rupees 10 paise (b) 2 rupees 10 paise (c) 2 rupees 20 paise
 4. (a) ₹ 16.05 (b) ₹ 5.01 (c) ₹ 9.00 (d) ₹ 12.00
 (e) ₹ 12.15 (f) ₹ 9.05 (g) ₹ 9.05 (h) ₹ 6.05

EXERCISE 14E

1. (a) Book ₹ 40.50 P + Note book ₹ 39 75 P + Pen ₹ 22.00 = ₹ 102.25
 2. ₹ 125 3. 90 4. ₹ 60
 5. (a) Chair ₹ 1300 + Table ₹ 2470 + Cupboard ₹ 4785 = ₹ 8555
 (b) ₹ 402.25 (c) ₹ 825 (d) ₹ 5 (e) ₹ 1005.55 (f) ₹ 972 (g) ₹ 31

Revision-4

3. (a) one (b) four (c) six, twelve (d) two, one, two (e) 0.50
 (f) 5250 (g) 53 (h) 3 (i) 6 (j) 1
 4. (a) ₹ 161.25 (b) ₹ 5716.15 5. (a) ₹ 32.50 (b) ₹ 3718.75
 6. (a) ₹ 353.1 (b) ₹ 2159.75 7. (a) ₹ 14.04 (b) 6 rupees 10 paise

EXERCISE 15B

1. (a) 300 (b) 72 (c) 28 (d) 60 (e) 360 (f) 336
 2. (a) 240 (b) 190 (c) 180 (d) 505 (e) 168 (f) 217 (g) 42
 (h) 45 (i) 180 (j) 135 (k) 74 (l) 440 (m) 504 (n) 164
 3. 26 January, 15 August, 5 September, 2 October, 14 November
 4. Safety pin, Light bulb, Aeroplane, Television, Computer mouse
 5. 15 December 2012, 4 July 2014, 7 February 2017, 21 May 2018, 8 March 2019

6.2010 7.1907 8.3 January

EXERCISE 16A

- (a) 200 cm (b) 500 cm (c) 1400 cm (d) 5800 cm
- (a) 380 cm (b) 1760 cm (c) 2528 (d) 3310 cm (e) 8808 cm
- (a) 6m (b) 8 m (c) 15m (d) 52 m
- (a) 4 cm 32 cm (b) 7m 68 cm (c) 5m 55 cm (d) 12 m 25 cm
(e) 68 m 72 cm (f) 20m 18 cm
- (a) 5000 m (b) 8000 m (c) 75000 (d) 80000 m
- (a) 4143 m (b) 8332 m (c) 5048 (d) 6008 m (e) 9002 m
- (a) 4km (b) 7 km (c) 8km (d) 9 km
- (a) 2 km 233 m (b) 2 km 875 m (c) 5 km 468 m (d) 4 km 700 m
(e) 6 km 60 m (f) 8 km 5 m

EXERCISE 16B

- (a) 65 cm (b) 832 m (c) 95 km (d) 64 m 80 cm (e) 8 km 422 m
- (a) 50 cm (b) 85 cm (c) 60 cm (d) 96 cm (e) 639 m
(f) 421 m (g) 63 km (h) 647 km
- (a) 165m 73 cm (b) 864 m 99 cm (c) 99 m 68 cm (d) 439 m 33 cm
- (a) 59 km 810 m (b) 542 km 900 m (c) 894 km 267 m (d) 799 km 720 m
- (a) 18 cm (b) 29 cm (c) 48 km (d) 26 m 17 cm (e) 36 km 264 m
- (a) 25 cm (b) 8 cm (c) 59 cm (d) 47 cm (e) 199 m
(f) 14 km (g) 19 km (h) 177 km
- (a) 16 m 16 cm (b) 15 m 34 cm (c) 57 m 14 cm
- (a) 19 km 379 m (b) 39 km 251 m (c) 11 km 659 m

EXERCISE 16C

- (a) 96 cm (b) 126 m (c) 150 km (d) 100 m 44 cm (e) 195 km 429 m
- (a) 51 cm (b) 76 cm (c) 88 cm (d) 76 cm (e) 1008 cm
(f) 790 m (g) 114 km (h) 315 km (i) 1575 km (j) 774 km
- (a) 54 m 78 cm (b) 152 m 96 cm (c) 165 m 35 cm (d) 126 m 69 cm
- (a) 432 km 888 m (b) 88 km 728 m (c) 96 km 644 m (d) 186 km 675 m

EXERCISE 16D

- (a) 12 cm (b) 8 cm (c) 15 cm (d) 19 m (e) 109 m
(f) 86 m (g) 59 m (h) 75 km (i) 87 km (j) 97 km
- (a) 13 m 27 cm (b) 123 m 17 cm (c) 101 m 16 cm (d) 51 m 9 cm
- (a) 14 km 5 m (b) 13 km 72 m (c) 31 km 17 m (d) 201 km 170 cm

EXERCISE 17A

- (a) 4000 g (b) 6000 g (c) 7000 g (d) 8000 g
- (a) 6800 g (b) 4070 g (c) 3087 g (d) 5008 g (e) 7505 g (f) 9009 g
- (a) 3 kg. (b) 5 kg. (c) 6 kg. (d) 8 kg.
- (a) 6kg 519 g (b) 5 kg 802g (c) 7kg. 200g (d) 6 kg 2g (e) 1kg. 246g
(f) 4kg 59g

EXERCISE 17B

- (a) 825g (b) 630 g (c) 87 kg 853 g (d) 624 kg 830 g
- (a) 685 g (b) 747 g (c) 741 g
- (a) 9230 kg (b) 507 kg (c) 4041 kg
- (a) 102 kg. 800g (b) 824 kg 877g (c) 220 kg. 407g
(d) 435 kg. 477 g (e) 2241 kg. 243g (f) 8790 kg. 815 g
- (a) 215 g (b) 356 g (c) 7kg. 201g (d) 280 kg. 191 g
- (a) 241 g (b) 564 g (c) 587 g (d) 291 g
- (a) 334 kg (b) 375 kg (c) 1696 kg. (d) 1256 kg
- (a) 3kg 506g (b) 29kg. 188g (c) 29 kg. 105g (d) 350 kg. 364 g
(e) 356 kg 465 g (f) 3691 kg 825 g

EXERCISE 17C

- (a) 456g (b) 1875 g (c) 6 kg 528 g (d) 208 kg 552 g
- (a) 150 g (b) 910 g (c) 880 g (d) 972 g
- (a) 231 kg (b) 1260 kg (c) 2748 kg (d) 6116 kg
- (a) 66kg 465 g (b) 370 kg. 825 g (c) 220 kg. 872 g (d) 410 kg. 712 g
(e) 2640 kg. 864 g (f) 6435 kg. 588 g

EXERCISE 17D

- (a) 23g (b) 71 g (c) 108g (d) 88g
- (a) 13 kg (b) 278 kg (c) 104 kg (d) 1031 kg
- (a) 21 kg 13g (b) 17 kg 7g (c) 25 kg 202g (d) 125 kg 110g
(e) 116 kg 135 g (f) 30 kg 106g (g) 108 kg 70 g (h) 74 kg 68 g

EXERCISE 18A

- (a) 4000 ml (b) 8000 ml (c) 7000 ml (d) 9000 ml
- (a) 5300 ml (b) 2057 ml (c) 3095 ml (d) 8205 ml (e) 6006 ml
- (a) 3 l (b) 4 l (c) 6 l (d) 8 l

- (a) 1 l 537 ml (b) 4 l 215 ml (c) 3 l 500 ml (d) 7 l 70 ml
(e) 8 l 405 ml (f) 9 l 5 ml

EXERCISE 18 B

- (a) 810 ml (b) 823 l (c) 79 l 820 ml (d) 624 l 581 ml
- (a) 661 ml (b) 835 ml (c) 520 ml
- (a) 975 l (b) 210 l (c) 663 l (d) 658 l
- (a) 15 l 523 ml (b) 242 l 890 ml (c) 81 l 826 ml (d) 269 l 670 ml
(e) 640 l 165 ml (f) 3850 l 936 ml
- (a) 521 ml (b) 365 l (c) 21 l 372 ml (d) 31 l 565 ml
- (a) 183 ml (b) 435 ml (c) 467 ml (d) 393 ml
- (a) 54 ml (b) 257 l (c) 30 l (d) 1761 l
- (a) 3 l 455 ml (b) 13 l 87 ml (c) 112 l 568 ml (d) 13 l 106 ml
(e) 635 l 12 ml (f) 4986 l 999 ml

EXERCISE 18C

- (a) 468 ml (b) 1136 l (c) 46 l 185 ml (d) 1175 l 725 ml
- (a) 850 ml (b) 880 ml (c) 975 ml (d) 936 ml
- (a) 371 l (b) 2610 l (c) 575 l (d) 4140 l
- (a) 36 l 870 ml (b) 104 l 672 ml (c) 920 l 808 ml
(d) 1235 l 650 ml

EXERCISE 18D

- (a) 11 ml (b) 88 ml (c) 104 ml (d) 105 ml
- (a) 47 l (b) 55 l (c) 82 l (d) 139 l
- (a) 2 l 6 ml (b) 17 l 90 ml (c) 18 l 106 ml (d) 29 l 85 ml
(e) 46 l 66 ml (f) 106 l 56 ml (g) 125 l 60 ml (h) 68 l 207 ml

EXERCISE 19A

1. 16 m 65 cm 2. 2 cm 15 cm 3. 54 km 440 m
4. 2 m 36 cm 5. 34 km 650 m 6. 8 km 7. 30 cm 8. 120 Km





EXERCISE 19 B

1. 1250 g (= 1 kg 250 g) 2. 3 kg 3. 1200 g (= 1 kg 200 g)
5. 14 kg 650 g 6. 24 kg 7. 208 kg 808 8. 4 kg 70 g

EXERCISE 19C

1. 4 l 750 ml 2. 431 l 400 ml 3. 20 l 4. 250 ml
5. 60 l 800 ml 6. 14 ml 7. 12 l 20 ml 8. 160 l



EXERCISE 20 A

- | Sweet | Total |
|---|-------|
|  | 7 |
|  | 4 |
|  | 6 |
|  | 4 |

Total
4
13
7
7
- (a) Dev (b) Rakesh (c) 25 kg (d) Two (e) Two
110. 5. 180 6. (a) 30 and 21 (b) 102 (c) Fancy dress
- (a) 50 (b) 75 (c) 120
- (a) 210 (b) 30 (c) False (d) True
- 300 600 550 500 350
April May June July August

- | Mountain | Beach | Desert |
|--|--|--|
|  5 children |  5 children |  5 children |

Revision-5

- 5: 10, 8: 20, 2: 15, 6: 35, 11: 55
- (a) 120 (b) 72 (c) 35 (d) 120 (e) 480
(f) 504 (g) 600 cm (h) 5 (i) 5 (j) 7000
(k) 4000 (l) 9 (m) 8 (n) 5000 ml
- (a) 126 minutes (b) 133 hours (c) 100 days (d) 22 days
(e) 4025 ml (f) 1 L 535 ml (g) 6400 g (h) 6 kg 143 g
(i) 855 cm (j) 7m 7 cm.
- | Bus | Scooter |
|--|--|
|  5 children |  5 children |
- (a) 140 km 452 m (b) 6 kg 717 g
(c) 112 l 480 ml
- 364 kg 700g 7. 61 ml