PENGUIN SERIES

Accurate Mathematics

A Course Book in Mathematics with Activity

Written by :
S K Singhal

2

EDUCATION LEADS
PETERSON PRESS
A UNIT OF
NAMAN PUBLISHING (INDIA) PVT. LTD.

Accurate Mathematics

Typesetting & Graphics by

Dreamshapers # 9897035745

Editors
S Kumar
Deepika Aggarwal

© All rights reserved.
No part of this book, including interior design, cover design and icons, may be reproduced or transmitted in any form, by any means (electronic, photocopying, recording or otherwise) without prior written permission from PETERSON PRESS.

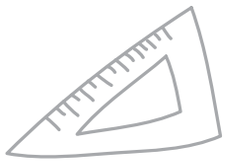
Published by

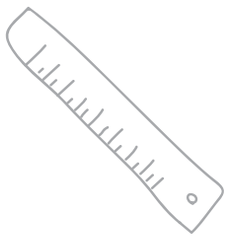
PETERSON PRESS
EDUCATION LEADS
A UNIT OF
NAMAN PUBLISHING (INDIA) PVT. LTD.

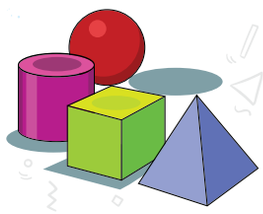
Redg. Office
Behind Silver Line School, Laxmipuram,
Rajpur Chungi, AGRA-282001
Mobile : +91-9837004559, 983719441
Telefax : 0562-2481926
e-mail : namanpublishing@yahoo.com

CONTENTS

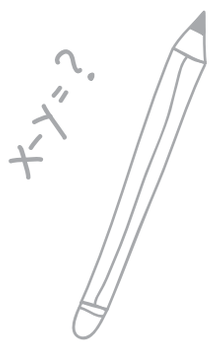
Things We Know	05
Place Value	09
Comparing and Arranging	10
Addition, Subtraction	13
Math Gym	15
Addition with Carrying	20
Subtraction with Borrowing	23
Revision-1	26
Numbers up to 1000	
101 to 200	27
201 to 500	28
501 to 1000	31
Understanding 3-digit Numbers	35
Do and Digest	36
Place Values in 3-digit Numbers	39
Math Gym	40
Before, After, Between	41
Comparing and Arranging	42
Revision-2	44
Adding and Subtracting Hundreds	45
Simple Addition, Subtraction of 3-digit Numbers	46
Addition of 3-digit Numbers with Carrying	49
Carrying Hundreds	50
Carrying Tens and Hundreds	52
Subtraction of 3-digit Numbers with Borrowing	55
Borrowing Hundreds	56
Borrowing Tens and Hundreds	57
Revision-3	61
Adding Three Numbers	62
Addition of Three Numbers with Carrying	65
Adding Four Numbers	68

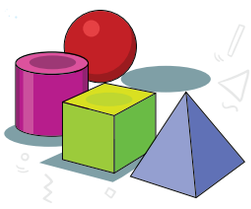






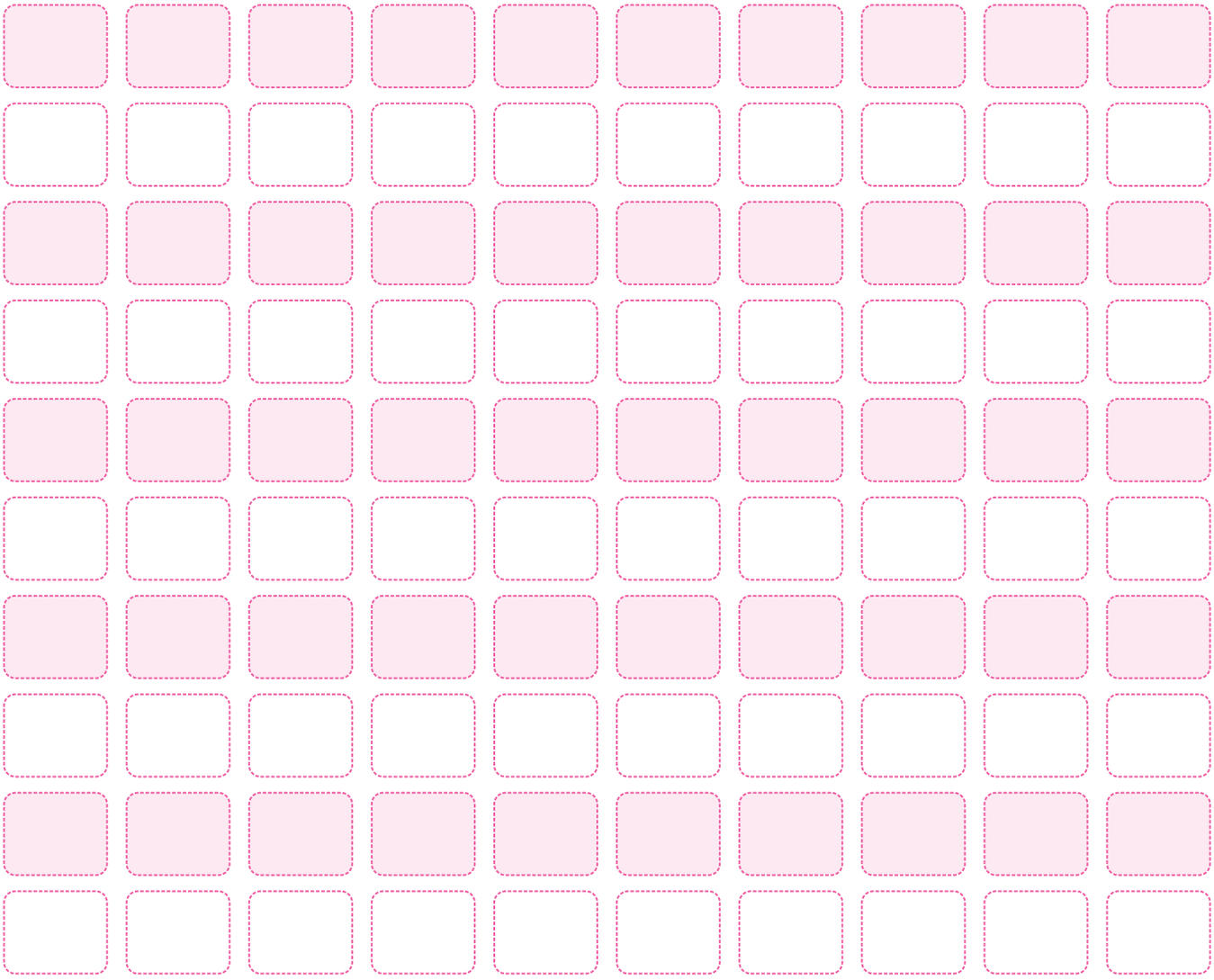
Math Gym	70
Multiplication	71
Multiplication Facts	74
Multiplication Tables	75
Multiplying 2-digit Numbers by 1-digit Numbers	83
Math Gym	86
Multiplying 3-digit Numbers by 1-digit Numbers	87
Revision-4	90
Do and Digest	91
Division	92
Division and Multiplication are Related	94
Long-Division Form	97
Story Sums on Division	98
Money	99
Do and Digest	100
Money Maths	101
Adding Money	104
Subtracting Money	107
Revision-5	110
Shapes of Solids	111
Do and Digest	112
Flat Shapes	113
Do and Digest	116
Lines	118
Time and Calendar	120
Telling the Time	123
Math Gym	127
Measuring Length	128
Measuring Mass	131
Measuring Liquids	134
Do and Digest	134
Story Sums on Measurements	137
Patterns	139
Data Handling	142
Revision-6	144





Things We Know

1. Write 1 to 100.



2. Write the number names.

a. 28 Twenty-eight

b. 9

c. 59

d. 3

e. 18

f. 14

g. 48

h. 37

i. 25

j. 33

k. 27

l. 79

3. Carry on the pattern.

a.

b.

c.

d.

e.

4. Write in words.

a. 50

b. 60

c. 70

d. 43

e. 56

f. 63

g. 68

h. 79

i. 24

j. 80

k. 94

l. 100

5. Write what comes before and after.

a.	7	8	9	b.		6	
c.		13		d.		18	
e.		33		f.		21	
g.		42		h.		55	
i.		31		j.		58	
k.		66		l.		77	
m.		44		n.		49	
o.		88		p.		94	

6. Write the number between.

a.	11		13	b.	13		15
c.	18		20	d.	24		26
e.	31		33	f.	28		30
g.	37		39	h.	50		52
i.	55		57	j.	61		63
k.	73		75	l.	89		91
m.	68		70	n.	83		85
o.	92		94	p.	96		98

7. Fill in.

a. The number before 21 is 20.

b. The number after 38 is _____.

c. The number before 60 is _____.

d. The number after _____ is 53.

e. The number before 51 is _____.

f. 32 is between _____ and 33.

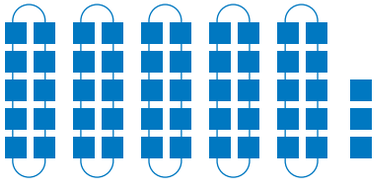
g. 87 is between 86 and _____.

h. _____ is between 58 and 60.

i. _____ is between 29 and 31.

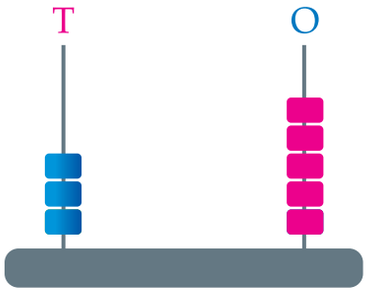
j. _____ is between 66 and 68.

You know what makes a 2-digit number.



5 tens + 3 ones make 53.

50 + 3 = 53



3 tens + 5 ones make 35.

30 + 5 = 35

8. Write in the short form.

a. 20 + 6 = 26

b. 30 + 4 = ____

c. 50 + 7 = ____

d. 10 + 4 = ____

e. 60 + 5 = ____

f. 50 + 4 = ____

g. 80 + 3 = ____

9. Write in the expanded (long) form.

a. 43 = 40 + 3

b. 52 = ____

c. 35 = ____

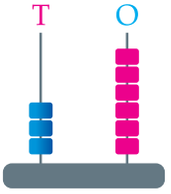
d. 24 = ____

e. 86 = ____

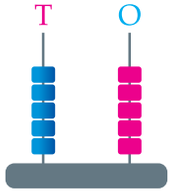
f. 77 = ____

g. 65 = ____

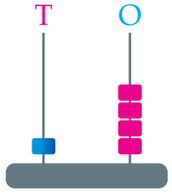
10. Fill in.

a. 

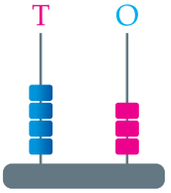
___ tens + ___ ones =___

b. 

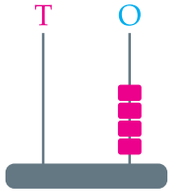
___ tens + ___ ones =___

c. 

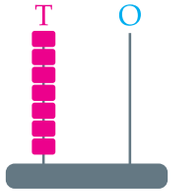
___ tens + ___ ones =___

d. 

___ tens + ___ ones =___

e. 

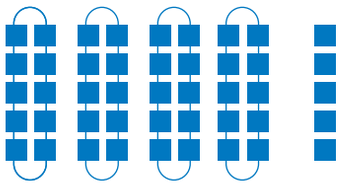
___ tens + ___ ones =___

f. 

___ tens + ___ ones =___

Place Value

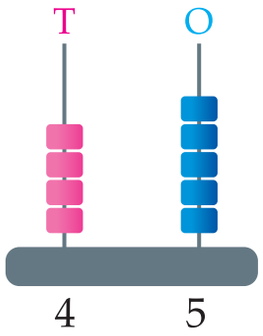
The numbers 45 and 54 have two digits — 4 and 5. The digits are in different places in the two numbers. So they have different values. The position of a digit in a number gives it a place value.



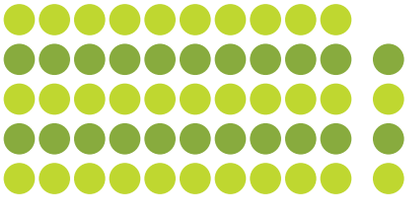
4 tens and 5 ones make 45.
40 + 5 = 45.

tens	ones
4	5

So in 45, 4 is in the tens place,
5 is in the ones place.



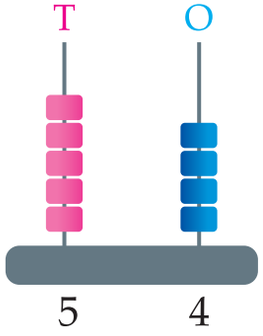
In 45, the place value of 4 is 40; the place value of 5 is 5.



5 tens and 4 ones make 54.
50 + 4 = 54.

tens	ones
5	4

So in 54, 5 is in the tens place,
4 is in the ones place.



In 54, the place value of 5 is 50; the place value of 4 is 4.

Fill in.

a. The digit in the tens place of 17 is 1. Its place value is 10.
b. The digit in the ones place of 15 is _____. Its place value is _____.
c. The digit in the ones place of 29 is _____. Its place value is _____.
d. The digit in the tens place of 29 is _____. Its place value is _____.
e. The place value of 7 in 74 is _____. The place value of 4 in 74 _____.
f. The place value of 7 in 87 is _____. The place value of 8 in 87 is _____.
g. In 46, the place value of 4 is _____ , and the place value of 6 is _____.
h. In 56, the place value of 6 is _____ , and the place value of 5 is _____.

Comparing and Arranging

To compare 2-digit numbers:

1. Compare the digits in the tens place.
2. If the digits in the tens place are equal, compare the digits in the ones place.

T	O	T	O
6	2	2	5

1. 6 tens > 2 tens
   So, 62 > 25

T	O	T	O
3	7		7

1. 3 tens > 0 tens
   So, 37 > 7

T	O	T	O
5	4	5	8

1. 5 tens = 5 tens
2. 4 ones < 8 ones
   So, 54 < 58

T	O	T	O
5	6	5	6

1. 5 tens = 5 tens
2. 6 ones = 6 ones
   So, 56 = 56

Remember: The number that comes later while counting is greater.

Put >, < or =.

a.	35 ___ 47	b.	28 ___ 22	c.	70 ___ 67	d.	13 ___ 9
e.	52 ___ 43	f.	76 ___ 67	g.	19 ___ 29	h.	98 ___ 49
i.	17 ___ 17	j.	80 ___ 60	k.	24 ___ 47	l.	86 ___ 85
m.	49 ___ 94	n.	78 ___ 62	o.	31 ___ 21	p.	19 ___ 19
q.	45 ___ 67	r.	89 ___ 76	s.	97 ___ 94	t.	26 ___ 45

While counting,
the smallest number comes before the others,
the largest number comes after the others.

1. Write the smallest number.

a. 22 23 21 29 ☐

b. 33 44 31 45 ☐

c. 48 58 38 98 ☐

d. 56 65 67 76 ☐

e. 66 57 77 47 ☐

f. 87 70 68 59 ☐

2. Write the largest number.

a. 28 30 32 34 ☐

b. 46 64 73 47 ☐

c. 44 33 23 43 ☐

d. 75 86 59 68 ☐

e. 55 78 53 83 ☐

f. 75 80 89 79 ☐

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

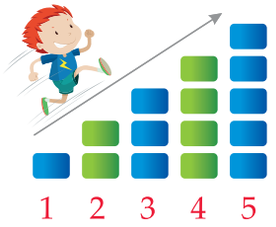
a. 25 22 12 32 23 ☐☐☐☐☐

b. 16 24 56 11 9 ☐☐☐☐☐

c. 55 63 85 58 79 ☐☐☐☐☐

d. 76 67 88 79 57 ☐☐☐☐☐

Ascending order:
from the smallest to the largest



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

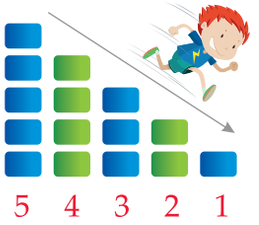
a. 42 34 66 88 36 ☐☐☐☐☐

b. 34 45 11 12 89 ☐☐☐☐☐

c. 78 89 42 30 82 ☐☐☐☐☐

d. 27 31 47 69 93 ☐☐☐☐☐

Descending order:
from the largest to the smallest



Ordinal numbers tell us about order or position.

Order of numbers in counting

1	2	3	4	5	6	7	8	9	10	11	12
First 1st	Second 2nd	Third 3rd	Fourth 4th	Fifth 5th	Sixth 6th	Seventh 7th	Eighth 8th	Ninth 9th	Tenth 10th	Eleventh 11th	Twelfth 12th

1. Fill in.

a. In the week, Friday is the _____ day.

b. Saturday is the _____ day of the week and Sunday is the ____ day.

c. In the year, June is the _____ month and October is the ____ month.

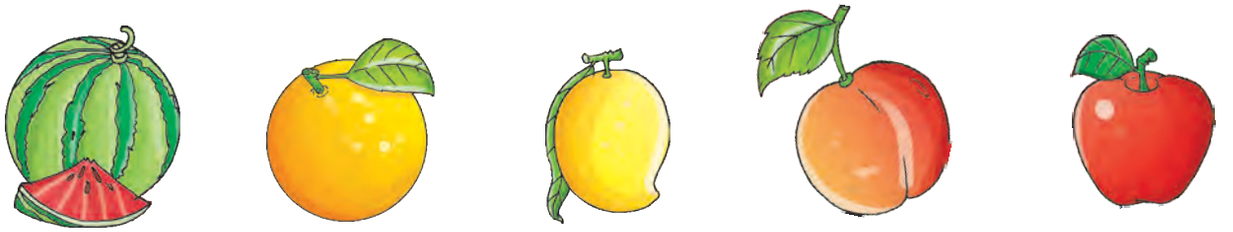
d. A is the first letter of the alphabet and _____ is the fifth letter.

e. J is the _____ letter of the alphabet and M is the _____ letter.

f. In BHARATNATYAM, the tenth letter is ____ and twelfth letter is ____.

g. In DICTIONARY, the letter T comes _____ and R comes _____.

2. a. Write the names.



b. Now write the first letters of these words in alphabetical order.

c. Using the first letters, write the words in alphabetical order.

Addition, Subtraction

Add.

1. a. 3 + 4 = 7 b. 2 + 7 = ____ c. 3 + 6 = ____ d. 2 + 8 = ____ e. 3 + 0 = ____ f. 4 + 6 = ____ g. 3 + 8 = ____ h. 4 + 4 = ____

2. a. 2 + 7 = ____ b. 1 + 9 = ____ c. 4 + 8 = ____ d. 5 + 5 = ____ e. 3 + 7 = ____ f. 5 + 6 = ____ g. 5 + 9 = ____ h. 5 + 8 = ____

3. a. 6 + 6 = ____ b. 6 + 8 = ____ c. 5 + 3 = ____ d. 7 + 4 = ____ e. 5 + 4 = ____ f. 2 + 9 = ____ g. 3 + 4 = ____ h. 8 + 8 = ____

4. a. 1 + 8 = ____ b. 7 + 7 = ____ c. 7 + 8 = ____ d. 9 + 7 = ____ e. 11 + 7 = ____ f. 12 + 6 = ____ g. 13 + 3 = ____ h. 10 + 9 = ____

Addition of tens

20 + 30 = 2 tens + 3 tens = 5 tens = 50 70 + 30 = 7 tens + 3 tens = 10 tens =100

5. Fill in.

a. 2 tens + 3 tens = ____ tens = ____ b. 1 ten + 1 ten = ____ tens = ____

c. 2 tens + 2 tens = ____ tens = ____ d. 3 tens + 4 tens = ____ tens = ____

e. 20 + 20 = ____ f. 10 + 20 = ____ g. 20 + 30 = ____ h. 30 + 30 = ____

i. 40 + 20 = ____ j. 10 + 30 = ____ k. 40 + 30 = ____ l. 30 + 60 = ____

m. 40 + 40 = ____ n. 50 + 50 = ____ o. 40 + 60 = ____ p. 20 + 80 = ____

Subtract.

1. a. 6 − 1 = 5 b. 7 − 6 = ____ c. 8 − 6 = ____ d. 9 − 4 = ____ e. 5 − 0 = ____ f. 6 − 3 = ____ g. 5 − 4 = ____ h. 4 − 4 = ____

2. a. 10 − 3 = 7 b. 10 − 5 = ____ c. 10 − 6 = ____ d. 10 − 8 = ____ e. 11 − 3 = ____ f. 11 − 5 = ____ g. 11 − 8 = ____ h. 12 − 5 = ____

3. a. 12 − 7 = ____ b. 12 − 8 = ____ c. 13 − 4 = ____ d. 13 − 6 = ____ e. 13 − 7 = ____ f. 13 − 3 = ____ g. 14 − 5 = ____ h. 14 − 6 = ____

4. a. 15 − 8 = ____ b. 15 − 7 = ____ c. 15 − 9 = ____ d. 16 − 4 = ____ e. 16 − 3 = ____ f. 16 − 6 = ____ g. 17 − 9 = ____ h. 17 − 7 = ____

Subtraction of tens

40 – 30 = 4 tens – 3 tens = 1 ten = 10 50 – 30 = 5 tens – 3 tens = 2 tens = 20

5. Fill in.

a. 4 tens – 2 tens = ____ tens = ____ b. 3 tens – 2 tens = ____ ten = ____

c. 6 tens – 4 tens = ____ tens = ____ d. 7 tens – 5 tens = ____ tens = ____

e. 30 – 10 = f. 40 – 10 = g. 60 – 30 = h. 70 – 40 =

i. 90 – 10 = j. 80 – 20 = k. 30 – 20 = l. 80 – 60 =

m. 60 – 40 = n. 90 – 50 = o. 90 – 30 = p. 80 – 40 =

Math Gym

1. Fill in '+' or '–'.

a.
7 __ 4 = 11
12 __ 6 = 6
13 __ 8 = 5

b.
14 __ 4 = 10
13 __ 10 = 3
11 __ 2 = 13

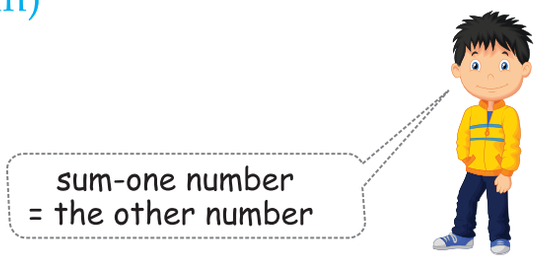
c.
8 __ 4 = 4
7 __ 2 = 5
6 __ 3 = 9

d.
9 __ 6 = 15
16 __ 9 = 7
14 __ 6 = 8

Adding two numbers gives their sum. Look how the three numbers are related.

6 + 2 = 8 (sum)
2 + 6 = 8
8 – 6 = 2
8 – 2 = 6

9 + 3 = 12 (sum)
3 + 9 = 12
12 – 3 = 9
12 – 9 = 3



2. Fill in.

a. 6 + 3 = ☐
b. 8 – 3 = ☐
c. 5 – 2 = ☐
d. 3 + ☐ = 9

e. 4 + 5 = ☐
f. 6 – 4 = ☐
g. ☐ – 2 = 4
h. ☐ – 2 = 7

i. 3 + 4 = ☐
j. ☐ + 5 = 8
k. ☐ – 4 = 8
l. 7 + ☐ = 8

m. 5 + 3 = ☐
n. 3 + ☐ = 10
o. 8 – 1 = ☐
p. 10 – ☐ = 4

q. 7 + 6 = ☐
r. 11 – 3 = ☐
s. ☐ – 5 = 7
t. 11 – ☐ = 7

u. 8 + 6 = ☐
v. 15 – ☐ = 8
w. ☐ – 8 = 6
x. 2 + ☐ = 15

Add 52 and 34.

52 + 34

5 tens + 2 ones + 3 tens + 4 ones

= 8 tens + 6 ones = 86

52 + 34 = 86

T	O
5	2
+ 3	4
8	6

1. Add the ones.
2. Add the tens.

1. Add.

a. T O: 3 2 + 6

b. T O: 3 0 + 7

c. T O: 6 + 73

d. T O: 4 + 55

e. T O: 80 + 8

f. 23 + 25

g. 43 + 52

h. 34 + 45

i. 62 + 27

j. 15 + 32

k. 70 + 24

l. 66 + 30

m. 78 + 11

n. 30 + 60

o. 35 + 53

Let's do some more sums.

2. Add.

a. 22 + 15 =

b. 32 + 21 =

c. 40 + 25 =

d. 34 + 41 =

e. 34 + 42 =

f. 50 + 43 =

g. 46 + 52 =

h. 27 + 71 =

i. 25 + 43 =

j. 18 + 81 =

k. 57 + 22 =

l. 15 + 63 =

Story Sums

1. A bus started with 37 children. Later, 22 children got in. How many children were there in the bus altogether?

$$\begin{array}{r} 3\ 7 \\ +\ 2\ 2 \\ \hline 5\ 9 \end{array}$$

59 children

2. Rohan has 14 crayons. His sister Meena has 14 crayons. How many crayons do they have in all?

_____crayons

3. 23 birds live in a garden. In winter, 30 birds come in. How many birds does the garden have in winter?

_____birds

4. Tanvi has two packets of toffees. One packet has 54 toffees. The other packet has 43. How many toffees does she have altogether?

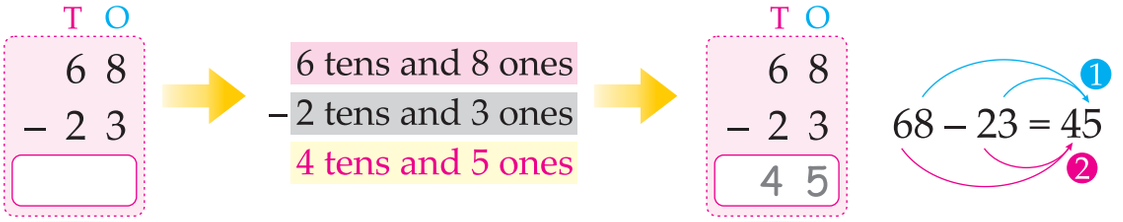
_____toffees

5. One her friend's birthday, Mala blew up 23 balloons. Radha blew up 25. How many balloons did they blow up altogether?

6. Sunil has 35 marbles. Vijay has 24 more. How many marbles does Vijay have?

7. A zoo has 31 deer. It has 42 more monkeys than deer. How many monkeys does the zoo have?

Subtract.



1 Subtract the ones.
2 Subtract the tens.

1. Subtract.

a. T O: 1 2 − 2 =

b. T O: 3 7 − 5 =

c. T O: 1 8 − 1 2 =

d. T O: 4 5 − 2 2 =

e. T O: 6 0 − 3 0 =

f. 4 5 − 5 =

g. 7 5 − 3 4 =

h. 6 8 − 1 7 =

i. 6 5 − 4 0 =

j. 7 7 − 7 3 =

k. 5 0 − 2 0 =

l. 5 8 − 3 4 =

m. 8 4 − 4 3 =

n. 6 8 − 4 7 =

o. 8 8 − 7 6 =

2. Subtract.

a. 27 – 5 =

b. 56 – 4 =

c. 69 – 14 =

d. 83 – 13 =

e. 35 – 11 =

f. 33 – 20 =

g. 57 – 43 =

h. 73 – 22 =

i. 65 – 15 =

j. 80 – 60 =

k. 89 – 50 =

l. 98 – 14 =

Story Sums

1. Raju is 7 years old. His father is 38 years old. How much older is his father?

$$\begin{array}{r} 3\ 8 \\ -\ 7 \\ \hline 3\ 1 \end{array}$$

31 years

2. Veena made 25 paper boats. 12 boats sank. How many were left?

_____boats

3. Bunti's coluring book has 74 pages. He has coloured the drawings on 42 pages. How many pages are left?

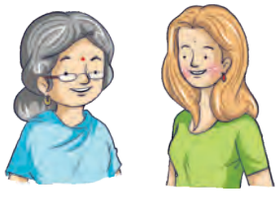
_____pages

4. There are 29 children in a class. 25 of them are going for a picnic. How many children are not going?

5. Maya has 58 stickers. Riya has 32 stickers. How many more stickers does Maya have?

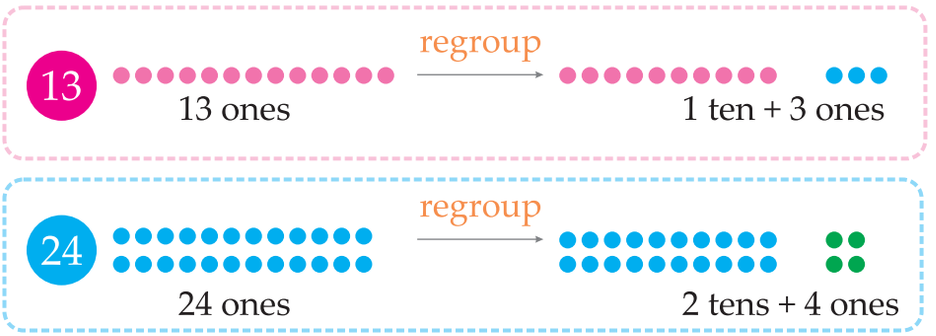
6. Mrs. Singh needs 76 paper cups. She already has 34 paper cups. How many more does she need to buy?

7. Ram's grandma is 64 years old. His aunt is 32 years old. How much older is his grandma than his aunt?



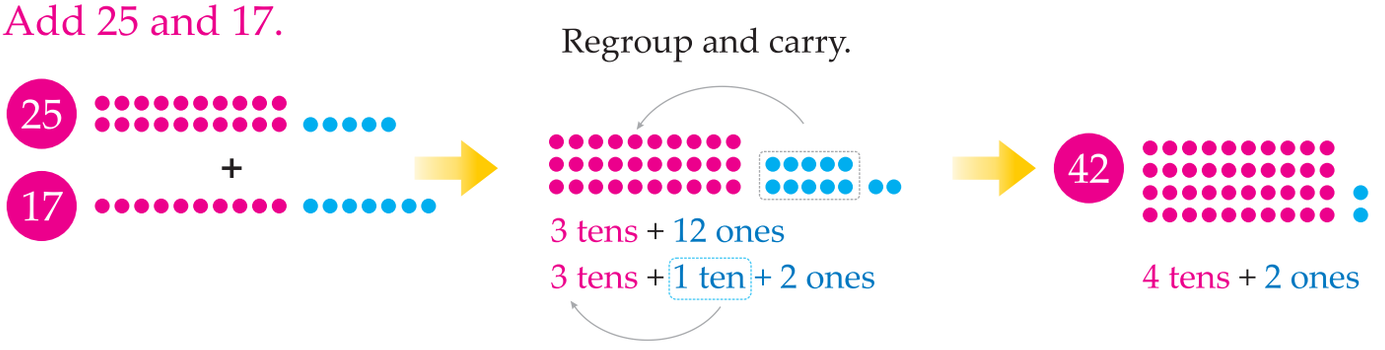
Addition with Carrying

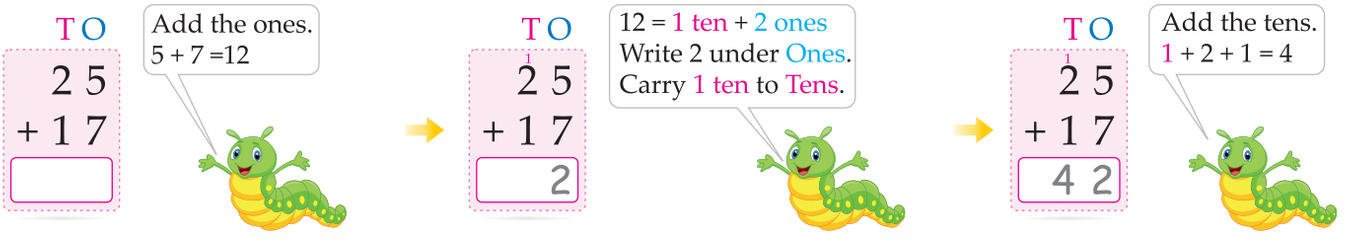
We can regroup the tens and ones in numbers.



Regrouping may be needed during addition. After regrouping, the tens are carried to the tens place.

Add 25 and 17.





1. Add.

a. T O: 2 9 + 3 =

b. T O: 2 7 + 7 =

c. T O: 2 5 + 2 5 =

d. T O: 3 6 + 1 6 =

e. T O: 3 6 + 1 5 =

f. T O: 1 8 + 2 2 =

g. T O: 2 7 + 5 4 =

h. T O: 6 7 + 2 5 =

i. T O: 6 3 + 2 8 =

j. T O: 6 2 + 2 9 =

2. Add.

	T	O
a.	1	9
	+ 1	8
b.		9
	+ 4	3
c.		7
	+ 3	3
d.	2	8
	+ 3	8
e.	2	6
	+ 4	5
f.	2	6
	+ 5	7
g.	7	4
	+	7
h.		6
	+ 3	4
i.	5	5
	+ 2	4
j.	2	5
	+ 3	7
k.	3	5
	+ 2	8
l.	2	6
	+ 3	4
m.	5	8
	+ 1	8
n.	5	5
	+ 2	7
o.	2	8
	+ 2	8
p.	6	4
	+ 2	8
q.	3	9
	+ 1	9
r.	6	9
	+ 2	8
s.	4	8
	+ 1	6
t.	4	5
	+ 3	6

More Sums = Strong Maths

3. Add.

a.	1	8
	+ 1	3
b.	3	5
	+ 2	7
c.	4	6
	+ 3	7
d.	7	8
	+ 1	6
e.	8	5
	+	7
f.	2	5
	+ 5	5
g.	4	4
	+ 3	6
h.	5	3
	+ 3	7
i.	6	2
	+ 1	8
j.	7	1
	+ 1	9

4. Add.

	T	O
a.	3	5
	+ 3	5

	T	O
b.	2	6
	+ 2	6

	T	O
c.	3	7
	+ 3	7

	T	O
d.	1	6
	+ 2	6

	T	O
e.	1	9
	+ 4	9

	T	O
f.	3	6
	+ 3	5

	T	O
g.	4	6
	+ 2	7

	T	O
h.	5	7
	+ 2	8

	T	O
i.	3	8
	+ 4	9

	T	O
j.	6	9
	+ 2	8

More Sums

1. A potter made 29 pots in the morning. In the evening, he made 12 pots. How many pots did he make in all?

_____ pots

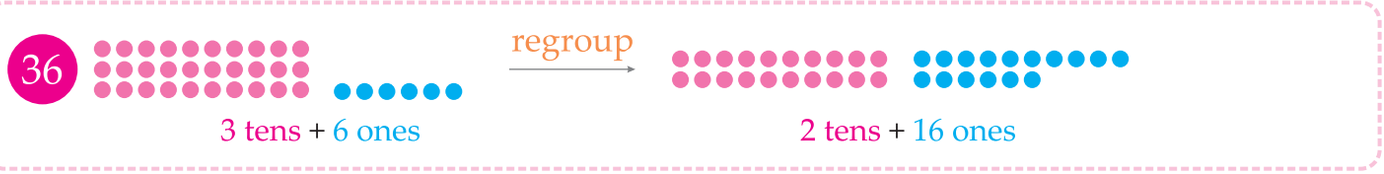
2. Reena sends 23 New Year cards. Her brother, Amit sends 28 cards. How many cards do they send altogether?

3. A class has 27 girls and 28 boys. The teacher gives each of them a sheet of paper. How many sheets does the teacher give?

4. A man has to pack 22 toy cars and 39 dolls. He needs a box for each. How many boxes does he need?

Subtraction with Borrowing

We can regroup the tens and ones in a number as follows.

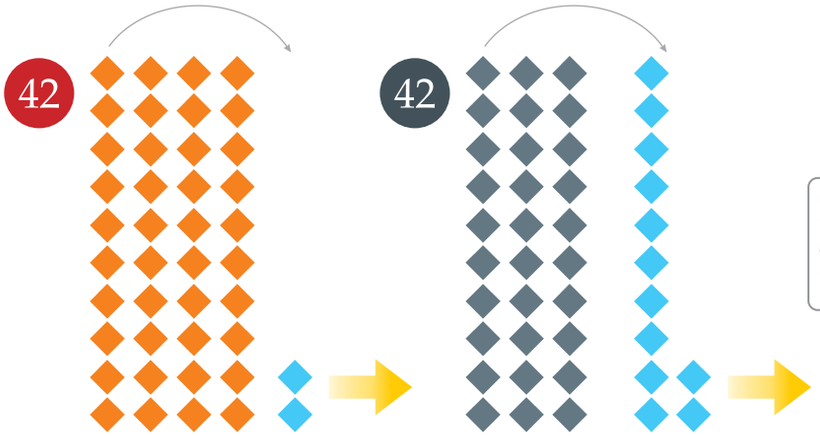


This may be needed during subtraction. To regroup, you borrow a ten and move it to the ones place.

Subtract 23 from 42.

T	O
4	2
– 2	3

2 – 3 ✗
But 42 = 40 + 2
= 30 + 10 + 2 = 30 + 12.
So, borrow 1 ten
to make 12 ones.



In the sum, rewrite 42
as 3 tens and 12 ones.
Then subtract.

T	O
3	12
~~4~~	~~2~~
– 2	3
1	9

1. Subtract.

a.

T	O
3	6
– 2	9

b.

T	O
4	4
– 2	8

c.

T	O
3	3
– 1	5

d.

T	O
2	5
–	8

e.

T	O
3	2
– 1	4

f.

T	O
3	5
–	7

g.

T	O
6	4
– 3	6

h.

T	O
5	8
– 2	9

i.

T	O
6	4
– 4	8

j.

T	O
7	7
– 5	9

2. Subtract.

	T	O
a.	~~5~~ 4	~~0~~ 10
	− 1	9
	3	1

	T	O
b.	3	4
	− 1	8

	T	O
c.	6	1
	− 1	6

	T	O
d.	5	0
	− 3	5

	T	O
e.	7	0
	− 5	2

f.	3	8
	− 2	9

g.	3	6
	− 1	7

h.	5	4
	− 4	5

i.	4	5
	− 3	7

j.	6	4
	− 4	6

k.	3	3
	− 2	8

l.	5	4
	− 3	9

m.	4	2
	− 1	6

n.	4	0
	− 1	5

o.	6	7
	− 4	9

p.	7	3
	− 4	4

q.	8	4
	− 6	8

r.	5	5
	− 4	8

s.	6	6
	− 3	9

t.	7	2
	− 5	3

More Sums = Strong Maths

3. Subtract.

a.	4	1
	− 2	7

b.	5	2
	− 3	5

c.	7	3
	− 4	7

d.	8	2
	− 4	6

e.	7	5
	− 6	9

i.	6	7
	− 4	9

j.	8	8
	− 7	9

k.	7	4
	− 6	6

l.	8	0
	− 4	5

m.	7	0
	− 2	5

4. Subtract.

	T	O
a.	6	2
	− 5	3

	T	O
b.	7	3
	− 6	4

	T	O
c.	8	1
	− 4	5

	T	O
d.	6	5
	− 2	8

	T	O
e.	4	2
	− 2	5

f.	4	0
	− 2	5

g.	6	2
	− 3	6

h.	6	4
	− 3	7

i.	8	6
	− 4	8

j.	9	7
	− 4	8

More Sums

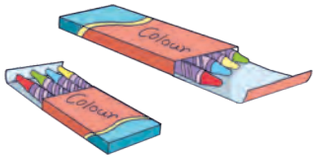
1. A class has 60 children. On a rainy day only 37 of them came to school. How many children did not come?

_____ children

2. Anil's mobile has 62 phone numbers. Seema's mobile has 48. How many more numbers does Anil's mobile have?

3. Ram's maths book has 88 pages. His drawing book has 40 pages less. How many pages does his drawing book have?

4. A large box of crayons has 54 crayons. A smaller box has 18 crayons less. How many cryaons does the smaller box have?



Revision-1

1. Write what comes before and after.

a. ☐ 26 ☐ b. ☐ 41 ☐ c. ☐ 69 ☐ d. ☐ 80 ☐

2. Write in the long form. Also write the number name.

a. 31 _____ _____

b. 37 _____ _____

c. 56 _____ _____

d. 78 _____ _____

3. Fill in.

a. In 76, the place value of 7_____ , and the place value of 6 is _____.

b. In 86 the place value 6 is _____ , and the place value of 8 is_____.

4. Write the smallest and the largest numbers.

a. smallest largest

55 42 31 37 66 ☐ ☐

b. smallest largest

62 74 83 57 75 ☐ ☐

5. Write in descending order.

78 82 97 84 65 40 53

☐ ☐ ☐ ☐ ☐ ☐ ☐

6. Write in ascending order.

73 59 82 64 55 78 67

☐ ☐ ☐ ☐ ☐ ☐ ☐

7. Add.

a. 23 + 36 = ☐

b. 8 + 66 = ☐

c. 47 + 23 = ☐

d. 72 + 27 = ☐

e. 55 + 36 = ☐

f. 67 + 24 = ☐

8. Subtract.

a. 78 − 66 = ☐

b. 56 − 38 = ☐

c. 48 − 29 = ☐

d. 63 − 44 = ☐

e. 74 − 55 = ☐

f. 89 − 47 = ☐

101 to 200

101	111	121	131	141	151	161	171	181	191
102	112	122	132	142	152	162	172	182	192
103	113	123	133	143	153	163	173	183	193
104	114	124	134	144	154	164	174	184	194
105	115	125	135	145	155	165	175	185	195
106	116	126	136	146	156	166	176	186	196
107	117	127	137	147	157	167	177	187	197
108	118	128	138	148	158	168	178	188	198
109	119	129	139	149	159	169	179	189	199
110	120	130	140	150	160	170	180	190	200

1. Write 101 to 200.

101									
102									

2. Write the number names.

a. 137 one hundred and thirty-seven

b. 115

c. 158

d. 148

e. 173

f. 103

g. 143

h. 166

i. 179

j. 181

201 to 500

201	221	241	261	281
202	222	242	262	282
203	223	243	263	283
204	224	244	264	284
205	225	245	265	285
206	226	246	266	286
207	227	247	267	287
208	228	248	268	288
209	229	249	269	289
210	230	250	270	290
211	231	251	271	291
212	232	252	272	292
213	233	253	273	293
214	234	254	274	294
215	235	255	275	295
216	236	256	276	296
217	237	257	277	297
218	238	258	278	298
219	239	259	279	299
220	240	260	280	300

301	321	341	361	381
302	322	342	362	382
303	323	343	363	383
304	324	344	364	384
305	325	345	365	385
306	326	346	366	386
307	327	347	367	387
308	328	348	368	388
309	329	349	369	389
310	330	350	370	390
311	331	351	371	391
312	332	352	372	392
313	333	353	373	393
314	334	354	374	394
315	335	355	375	395
316	336	356	376	396
317	337	357	377	397
318	338	358	378	398
319	339	359	379	399
320	340	360	380	400

401	421	441	461	481
402	422	442	462	482
403	423	443	463	483
404	424	444	464	484
405	425	445	465	485
406	426	446	466	486
407	427	447	467	487
408	428	448	468	488
409	429	449	469	489
410	430	450	470	490
411	431	451	471	491
412	432	452	472	492
413	433	453	473	493
414	434	454	474	494
415	435	455	475	495
416	436	456	476	496
417	437	457	477	497
418	438	458	478	498
419	439	459	479	499
420	440	460	480	500

1. Write 201 to 300.

201									
202									

2. Write 301 to 400.

3. Write 401 to 500.

4. Fill in.

a.	303	304	305							
b.	221		223		225					
c.	449		451	452						
d.	143	144		146						

5. Write the number names.

a.	203 two hundred and three	b.	246 two hundred and forty-six
c.	319	d.	370
e.	200	f.	212
g.	267	h.	315
i.	355	j.	413
k.	443	l.	333
m.	397	n.	456
o.	299	p.	300
q.	441	r.	374
s.	335	t.	500

6. Fill in.

a.	262	264	266						
b.	168	167	166						
c.	322	324	326						
d.	464		462		460				
e.	300	310		330					

501 to 1000

1. Write 501 to 600.

501		521		541				581	
	520		540		560		580		600

2. Write 601 to 700.

601									
									700

3. Write in words.

a. 534 five hundred and thirty-four

b. 525

c. 552

d. 568

e. 579

f. 615

g. 681

h. 630

i. 686

j. 699

1. Write 701 to 800.

701									
									800

2. Write 801 to 900.

801									
									900

3. Write in words.

a. 721 seven hundred and twenty-one

b. 749

c. 753

d. 724

e. 728

f. 808

g. 900

h. 852

i. 885

j. 898

1. Write 901 to 1000.

901									
									1000

2. Write in words.

a. 905

b. 923

c. 913

d. 955

e. 967

f. 975

g. 939

h. 999

3. Fill in.

a.	436	437		439					
b.	550	555	560						
c.	647	646	645						
d.	700		720	730					
e.	825	827	829						

4. Write in figures.

a. one thousand

b. two hundred and thirty-one

c. one hundred and twenty-eight

d. three hundred and eighty-six

e. four hundred and sixty-four

f. five hundred

g. six hundred and forty-seven

h. seven hundred and eighty-six

i. nine hundred and forty-two

j. one hundred and fifty-seven

k. two hundred and four

l. three hundred and ten

m. four hundred and seventy-five

n. one hundred and thirty-three

o. five hundred and ninety-two

p. five hundred and fifty-nine

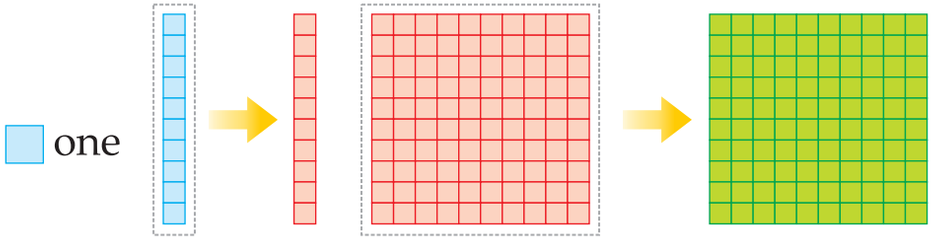
q. eight hundred and seventy-five

r. nine hundred and ninety-nine

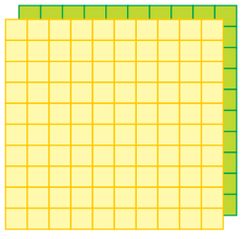
5. Fill in.

a.	534		536		538					
b.	654	653	652							
c.	703	713		733						
d.	802	822	842							
e.	900	910		930						

Understanding 3-digit Numbers

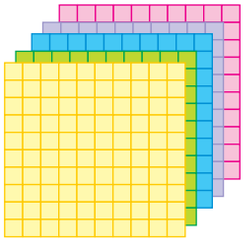


10 ones = 1 ten 10 tens = 1 hundred



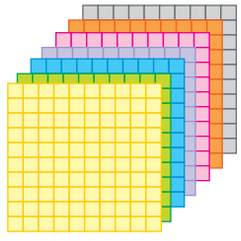
H	T	O
2	0	0

2 hundreds



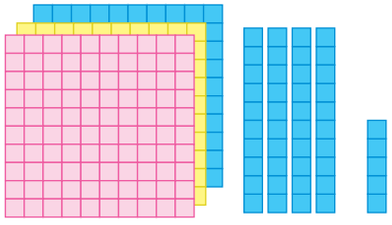
H	T	O
5	0	0

5 hundreds



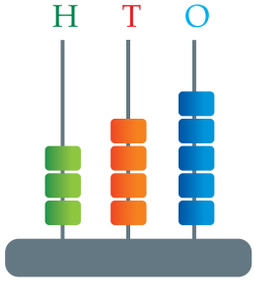
H	T	O
7	0	0

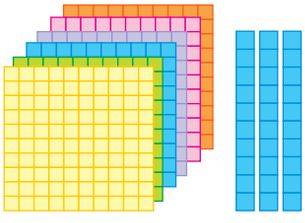
7 hundreds



3 hundreds + 4 tens + 5 ones = 300 + 40 + 5 =

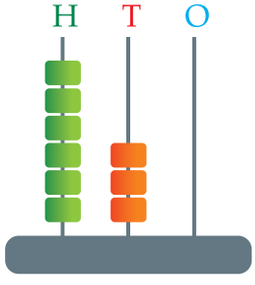
H	T	O
3	4	5

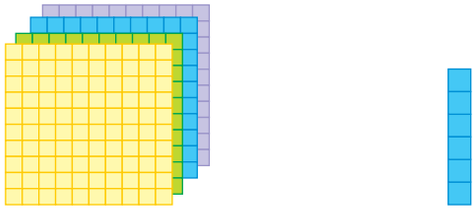




6 hundreds + 3 tens + 0 ones = 600 + 30 + 0 =

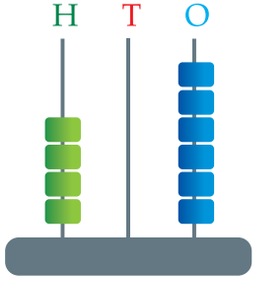
H	T	O
6	3	0





4 hundreds + 0 tens + 6 ones = 400 + 0 + 6 =

H	T	O
4	0	6

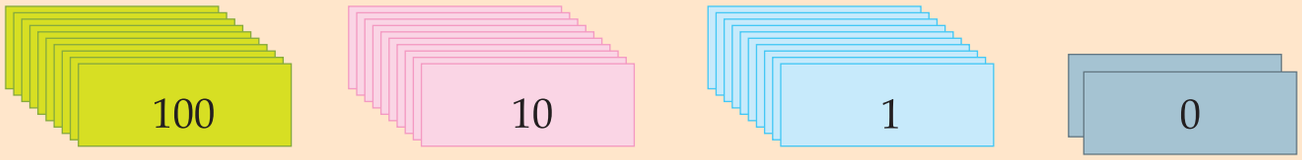


Do and Digest

Aim To understand what makes 3-digit numbers
Things needed Strips of colured paper, chart paper, pencil

Do and Learn

1. Write 100, 10 and 1 on strips of different colours to make hundreds, tens and ones strips. You will need nine strips of each kind. You will also need two strips with 0 written on them.



2. Make a large box on a sheet of chart paper. Divide it into three boxes. Write hundreds, tens and ones, as shown.

hundreds	tens	ones

3. Put strips into the boxes meant for them, as shown.
   The number formed has
   2 hundreds + 5 tens + 3 ones
   = 200 + 50 + 3 = 253.
   You and your friends take turns to form more numbers. Everyone writes down t h e numbers formed. Who gets the most correct?

hundreds	tens	ones
100	10	1
100	10	1
	10	1
	10	
	10	

1. Fill in.

a. 273 = 2 hundreds = 7 tens + 3 ones = 200 + 70 + 3

b. 354 = _____ hundreds = _____ tens + _____ ones = _____

c. 409 = _____ hundreds = _____ tens + _____ ones = _____

d. 843 = _____ hundreds = _____ tens + _____ ones = _____

e. 986 = _____ hundreds = _____ tens + _____ ones = _____

f. 640 = _____ hundreds = _____ tens + _____ ones = _____

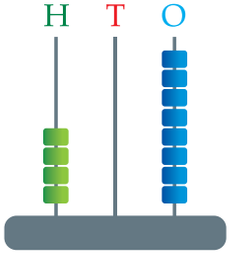
g. 554 = _____ hundreds = _____ tens + _____ ones = _____

h. 296 = _____ hundreds = _____ tens + _____ ones = _____

i. 707 = _____ hundreds = _____ tens + _____ ones = _____

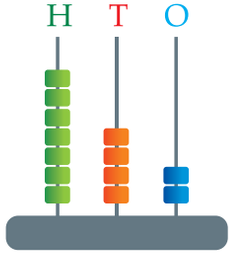
2. Fill in.

a.



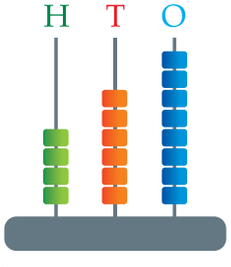
4 hundreds + 0 tens + 8 ones = 408

b.



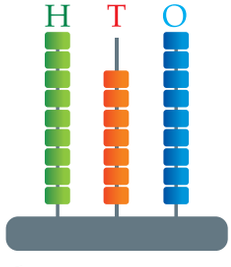
__hundreds + __tens + __ones = __

c.



__hundreds + __tens + __ones = __

d.



__hundreds + __tens + __ones = __

3. Write in the short form.

a. 200 + 50 + 6 = 256

b. 400 + 10 + 8 =

c. 500 + 30 + 4 =

d. 800 + 40 + 1 =

e. 900 + 0 + 0 =

f. 600 + 70 + 0 =

g. 300 + 60 + 4 =

h. 700 + 90 + 3 =

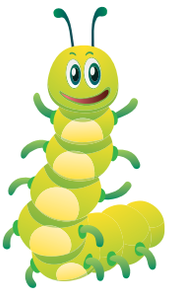
i. 500 + 0 + 5 =

j. 100 + 80 + 7 =

k. 200 + 20 + 9 =

l. 400 + 10 + 2 =

m. 600 + 70 + 4 =



4. Write in the expanded (long) form.

a. 512 = 500 + 10 + 2

b. 901 =

c. 150 =

d. 478 =

e. 583 =

f. 300 =

g. 617 =

h. 835 =

i. 999 =

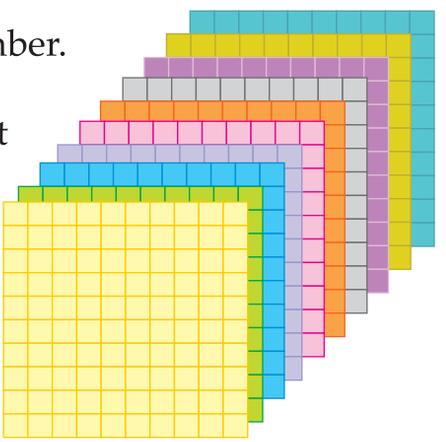
j. 709 =

k. 462 =

l. 354 =

m. 269 =

999 is the last 3-digit number.
999 + 1 = 1000
1000 is the first 4-digit number.



1 thousand (1000)

Place Values in 3-digit Numbers

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

436 = 4 hundreds + 3 tens + 6 ones
= 400 + 30 + 6

Digit	Place Value
4	400
3	30
6	6

378 = 3 hundreds + 7 tens + 8 ones
= 300 + 70 + 8

Digit	Place Value
3	300
7	70
8	8

1. Fill in.

	Number	Digit	Place Value	Digit	Place Value	Digit	Place Value
a.	405	4	400	0	0	5	5
b.	143	1		4		3	
c.	759	7		5		9	
d.	630	6		3		0	
e.	543	5		4		3	
f.	839	8		3		9	
g.	975	9		7		5	
h.	247	2		4		7	
i.	305	3		0		5	

The place value of zero is always zero.

2. Fill in.

a. In 585, the digit in the tens place is ____ , The digit in the hundreds place is _____.

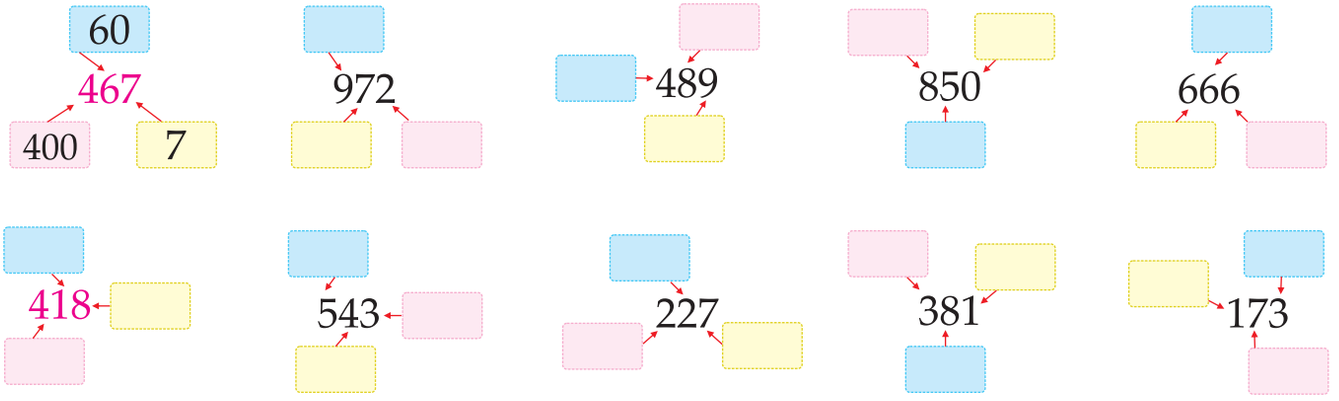
b. The place value of 3 in 234 is ____ , and the place value of 2 is _____.

c. The place value of 7 in 706 is ____ , and the place value of 6 is _____.

d. In 679, the place value of 7 is ____ , and the place value of 6 is _____.

Math Gym

1. Write the place value of each digit.



Three digits (no zeroes) give us six 3-digit numbers.
For example, 4, 5 and 6 give:

456 465 546 564 645 654

2. Make 3-digit numbers with 1,2 and 3 and fill in the boxes.

	Number	Digit	Place Value	Digit	Place Value	Digit	Place Value
a.		1		2		3	
b.		1		2		3	
c.	231	1	1	2	200	3	30
d.		1		2		3	
e.		1		2		3	

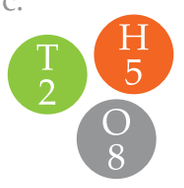
3. Arrange to make 3-digit numbers.

a.

356

b.

c.



d.

e.