

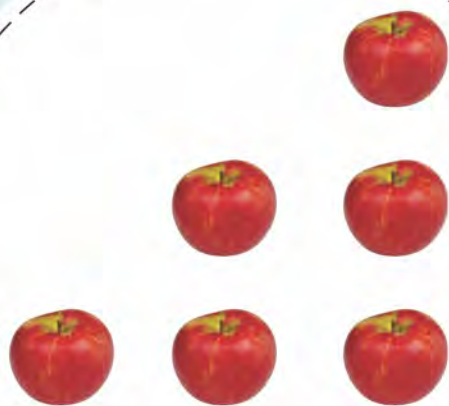


SPARK
SCHOLARS
SERIES



Starting with MATHEMATICS

Primer



$$1 + 2 = 3$$



8:05



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Contents

No.	Chapter	Page No.
1.	Comparisons	3
2.	Spatial Relationship	6
3.	Greater Than (>), Less Than (<), Equal to (=)	9
4.	Before, After & In Between	11
5.	The Tens	13
	• Numbers up to 20	16
	• Numbers from 21 to 30	19
	• Numbers from 31 to 40	20
	• Numbers from 41 to 50	21
	• Numbers from 51 to 100	23
6.	Increasing Order	27
7.	Decreasing Order	29
8.	Addition upto 10	32
9.	Addition with Carry Over	39
10.	Subtraction	53
11.	Subtraction with Borrowing	56
12.	Multiplication Concepts	65
13.	Division Concepts	70
14.	Shapes	73
15.	Indian Currency	74
16.	Time	77



COMPARISONS

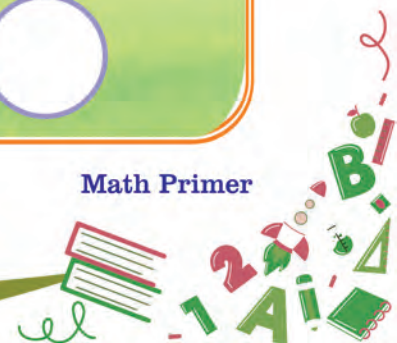
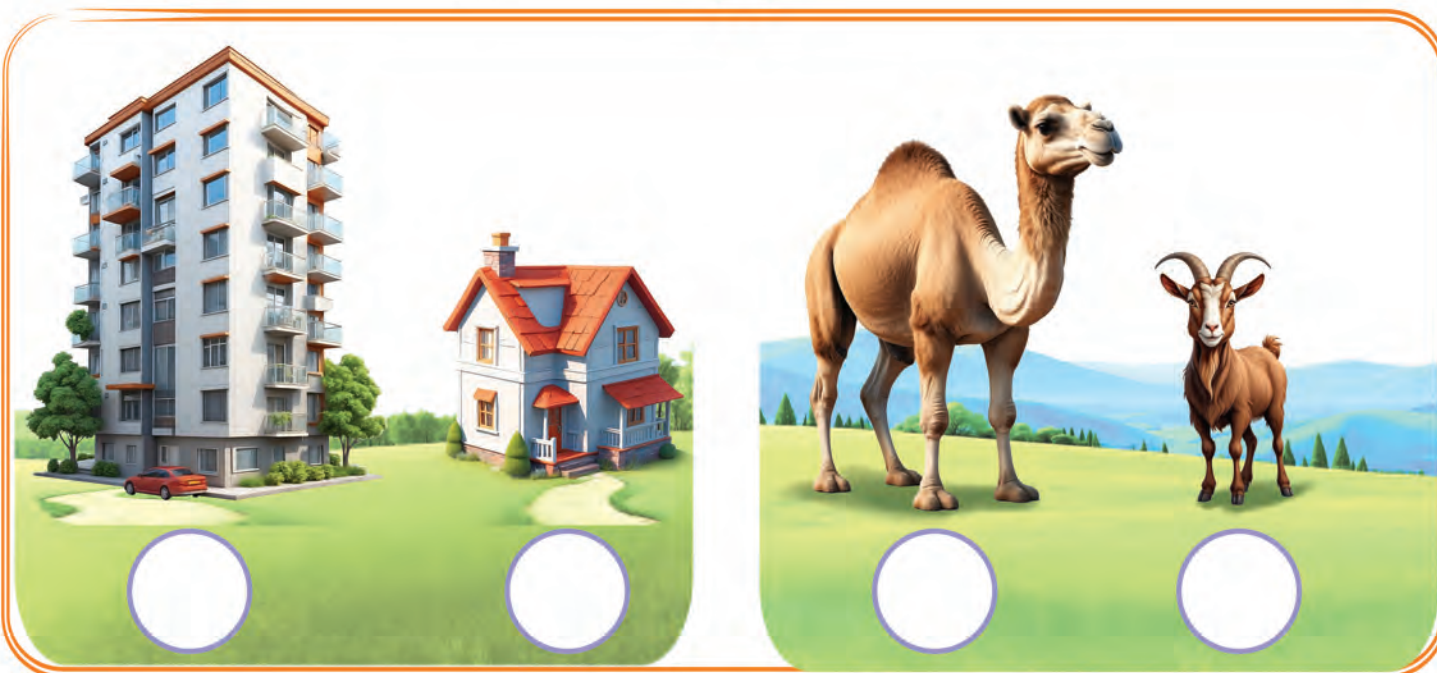
Biggest - Smallest



Smallest Animal

Biggest Animal

Write **(B)** for the Big one and **(S)** for the Short one :



Tallest - Shortest

Kabir



Sachin



Raman



Kabir is the **Shortest**.

Raman is the **Tallest**.

Tick (✓) the **Tallest** object and cross (✗) the **Shortest** object.



Kid's IQ

1. Who is taller among you and your best friend ?
2. Is camel taller than rabbit ?



Longest - Shortest



Snake is
the **Longest**



Lizard is
the **Shortest**

Tick (✓) the **Longest** object and cross (✗) the **Shortest** object.



Kid's IQ

1. Can you spot the longest thing in your classroom?

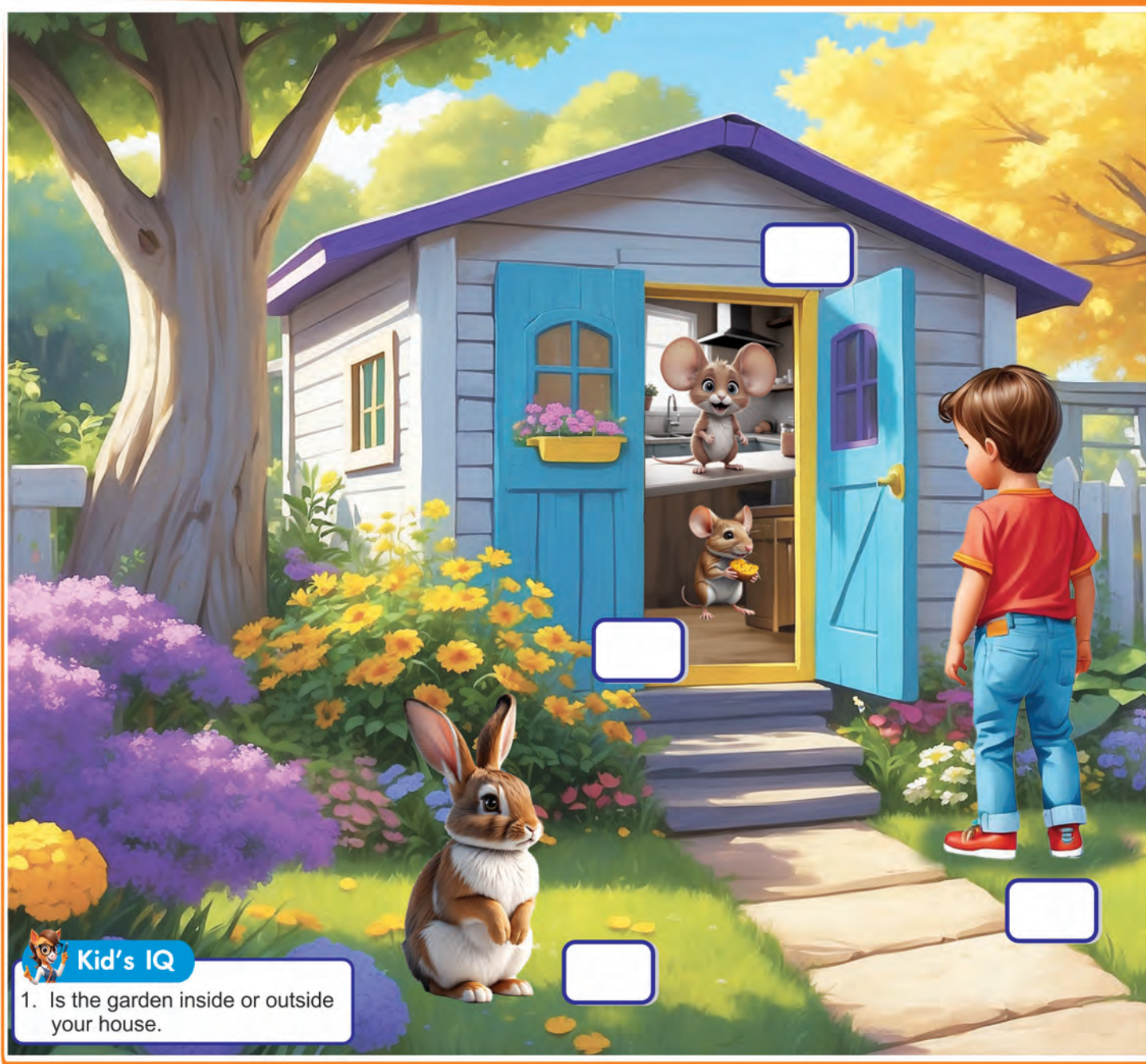
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SPATIAL RELATIONSHIP

Inside - Outside

Tick (✓) what is **Inside** and cross (✗) what is **Outside**.



Top - Bottom

Tick (✓) the thing which is on the **Top** and Cross (✗) the thing which is at the **Bottom**.



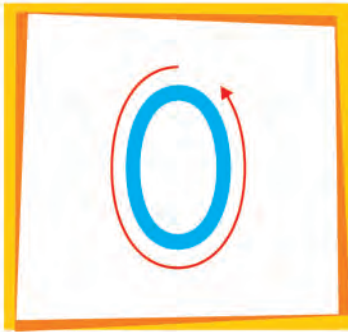
Tick (✓) the object which is **On** the table and Cross (✗) the object which is **Under** the table



Kid's IQ

1. Do you keep books 'on' the table or 'under' the table?

Concept of zero



ZERO



There were two
crows on the
tree.



The two crows
flew away.



Now, there is no
(zero) crow on
the tree. Thus,
ZERO means
nothing.

Anna had three apples.



Anna ate one apple



Anna ate another apple



Anna ate last apple



zero

3

GREATER THAN (>), LESS THAN(<), EQUAL TO (=)

Greater than (>)

'A'



We find six tomatoes in 'A'
So number of tomatoes = 6

'B'



We find four tomatoes in 'B'
So number of tomatoes = 4

Collection 'A' 2 tomatoes are more than that in collection 'B'

So, 6 is greater than 4.

The symbol for greater than is >.

Thus, we write it as $6 > 4$.

Less than (<)

'A'



We find three hats in 'A'
So number of hats = 3

'B'



We find six hats in 'B'
So number of hats = 6

Collection 'A' 3 hats are less than that in collection 'B'

So, 3 is less than 6.

The symbol for less than is <.

Thus, we write it as $3 < 6$.

Equal to (=)

'A'



'B'



We find three tigers in 'A'

We find three tigers in 'B'

Collection 'A' has 3 tigers and collection 'B' has 3 tigers

So, 3 is equal to 3.

Thus, we write it as $3 = 3$.

Put greater than (>), less than (<) or equal to (=):

9		5
---	----------------------	---

6		3
---	----------------------	---

9		7
---	----------------------	---

6		6
---	----------------------	---

11		15
----	----------------------	----

14		17
----	----------------------	----

19		13
----	----------------------	----

89		85
----	----------------------	----

20		20
----	----------------------	----

17		13
----	----------------------	----

14		14
----	----------------------	----

5		11
---	----------------------	----

14		18
----	----------------------	----

11		11
----	----------------------	----

30		10
----	----------------------	----

45		62
----	----------------------	----

44		22
----	----------------------	----

84		85
----	----------------------	----

47		62
----	----------------------	----

85		40
----	----------------------	----

35		65
----	----------------------	----

58		58
----	----------------------	----

7		3
---	----------------------	---

5		0
---	----------------------	---

9		2
---	----------------------	---

4		3
---	----------------------	---

8		11
---	----------------------	----

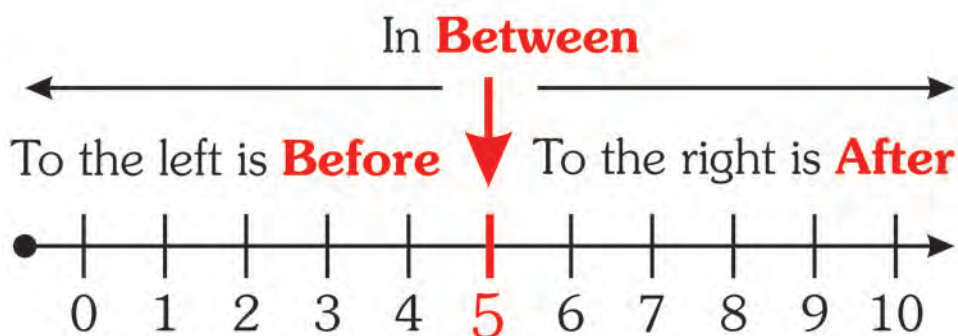
44		44
----	----------------------	----

44		55
----	----------------------	----

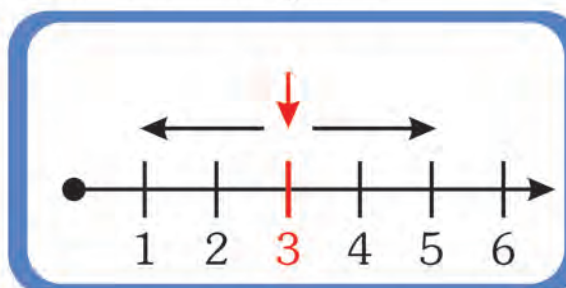
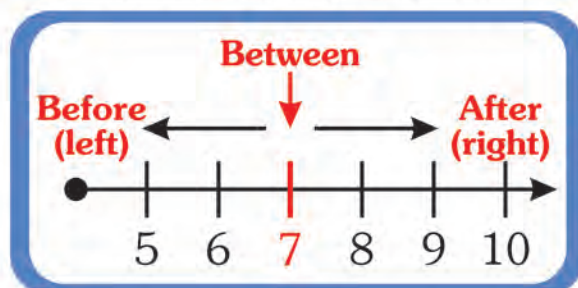
45		65
----	----------------------	----



BEFORE, AFTER AND IN BETWEEN



Circle the given numbers on the number line. Then write the numbers before and after. one is done for you.



What comes just Before?

- comes just Before 41
- comes just Before 27
- comes just Before 34
- comes just Before 55
- comes just Before 48

What comes just After?

- 9 comes just after
- 13 comes just after
- 10 comes just after
- 14 comes just after
- 34 comes just after

Worksheet

What comes Before, After and In between:

6

9

12

18

78

55

81

99

32

98

45

28

32

63

72

28

44

13

21

18

23

56

37

88

51 53

70 73

41 43

38 40

24 26

34 36

64 66

33 35

21 23

49 51

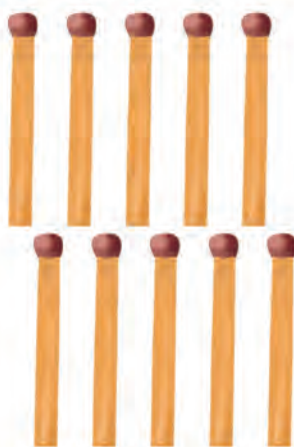
69 71

98 100



THE TENS

Ten things or units or ones make **one ten**.



10 Ones



1 Ten

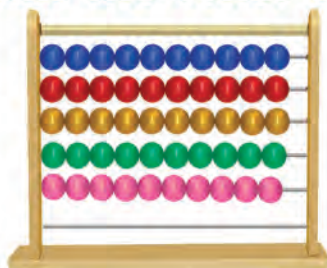


1 Ten

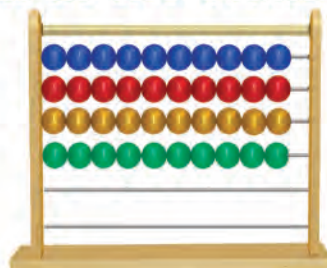


10 Ones

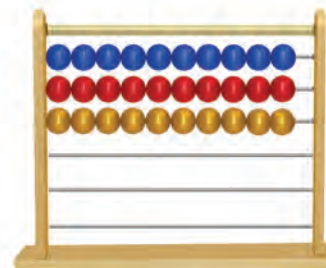
Count the tens. Then fill in the blanks.



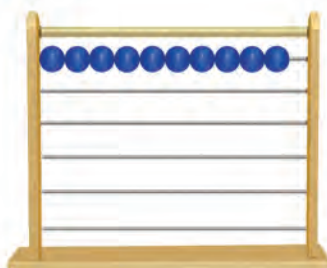
5 Tens = 50



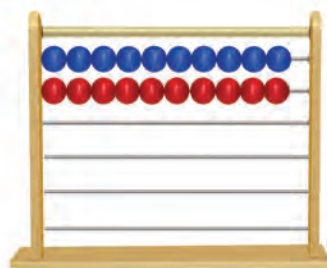
Tens = _____



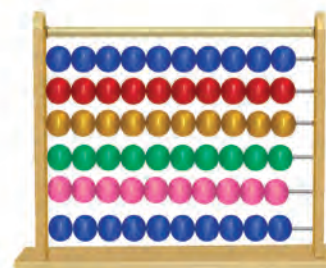
Tens = _____



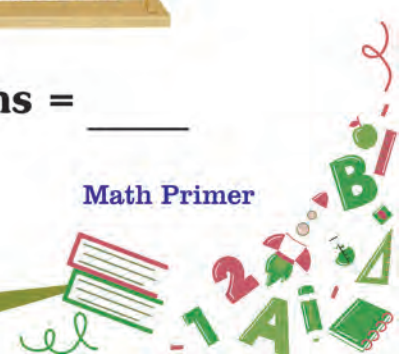
Ten = _____



Tens = _____



Tens = _____





1 Ten is 10



2 Tens are 20



3 Tens are 30



4 Tens are 40



5 Tens are 50



6 Tens are 60



7 Tens are 70



8 Tens are 80



9 Tens are 90



10 Tens are 100

Trace and write.

10	20	30	40	50	60	70	80	90	100
----	----	----	----	----	----	----	----	----	-----



Make a group of 10. Then count the ones.



Ten

1

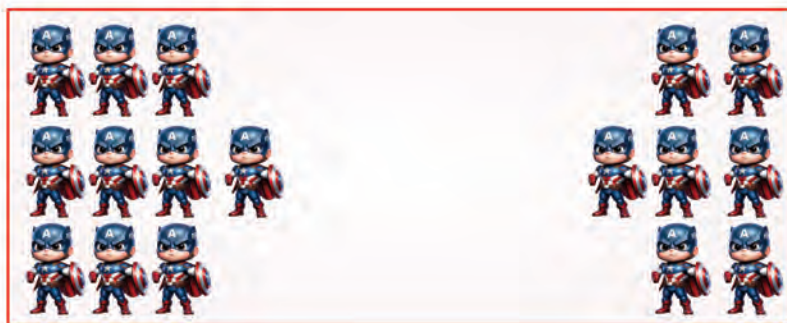
Ones

4



Ten

Ones



Ten

Ones



Ten

Ones



Ten

Ones



Numbers Up to 20

Nine pencil + 1 pencil
 Nine and one more is ten
 10 means 1 ten and 0 one

=



Ten(T)	One(O)
1	0

→ **Ten**



+



Ten and one more is eleven
 11 means 1 ten and 1 one

T	O
1	1

→ **Eleven**

$$10+1=11$$



+



Ten and two more is twelve
 12 means 1 ten and 2 ones

T	O
1	2

→ **Twelve**

$$10+2=12$$



+



Ten and three more is thirteen
 13 means 1 ten and 3 ones

T	O
1	3

→ **Thirteen**

$$10+3=13$$



+



Ten and four more is fourteen
 14 means 1 ten and 4 ones

T	O
1	4

→ **Fourteen**

$$10+4=14$$



+



Ten and five more is fifteen
15 means 1 ten and 5 ones

T	O
1	5

 → **Fifteen**
 $10+5=15$



+



Ten and six more is sixteen
16 means 1 ten and 6 ones

T	O
1	6

 → **Sixteen**
 $10+6=16$



+



Ten and seven more is seventeen
17 means 1 ten and 7 ones

T	O
1	7

 → **Seventeen**
 $10+7=17$



+



Ten and eight more is eighteen
18 means 1 ten and 8 ones

T	O
1	8

 → **Eighteen**
 $10+8=18$



+



Ten and nine more is nineteen
19 means 1 ten and 9 ones

T	O
1	9

 → **Nineteen**
 $10+9=19$



+



Ten and 1 Ten more is twenty.
2 tens are 20

T	O
2	0

 → **Twenty**
 $10+10=20$

Count and write

Count and write number and number in words.



15

Fifteen



Numbers From 21 to 30



2 tens and 1 one are **21** Twenty one



2 tens and 2 ones are **22** Twenty two



2 tens and 3 ones are **23** Twenty three



2 tens and 4 ones are **24** Twenty four



2 tens and 5 ones are **25** Twenty five



2 tens and 6 ones are **26** Twenty six



2 tens and 7 ones are **27** Twenty seven



2 tens and 8 ones are **28** Twenty eight



2 tens and 9 ones are **29** Twenty nine



3 tens are **30** Thirty

Numbers From 31 to 40

Do it yourself (First has been done for you.)



3 tens and 1 one are **31** Thirty one



3 tens and are **32** Thirty two



3 tens and are **33** Thirty three



3 tens and are **34** Thirty four



3 tens and are **35** Thirty five



3 tens and are **36** Thirty six



3 tens and are **37** Thirty seven



3 tens and are **38** Thirty eight



3 tens and are **39** Thirty nine



4 tens are **40** Forty

Numbers From 41 to 50

Do it yourself (First has been done for you.)



4 tens and 1 ten are **41** Fourty one



4 tens andare **42** Fourty two



4 tens andare **43** Fourty three



4 tens andare **44** Fourty four



4 tens andare **45** Fourty five



4 tens andare **46** Fourty six



4 tens andare **47** Fourty seven



4 tens andare **48** Fourty eight



4 tens andare **49** Fourty nine



5 tens are **50** Fifty



Worksheet

PRACTICE

Expand the following numbers. First has been done for you.

23) 2 tens and 3 ones

31)

46)

48)

28)

35)

50)

47)

32)

29)

27)

19)

13)

34)

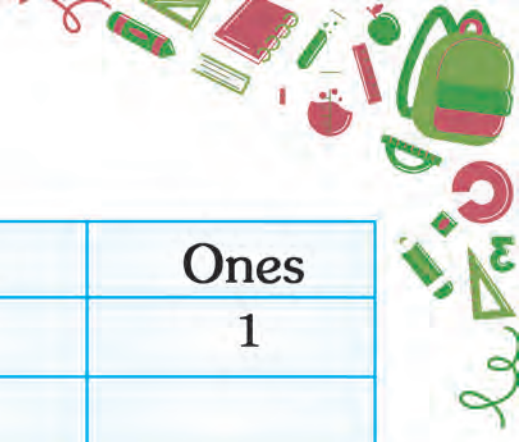
18)

15)

Numbers From 51 to 100

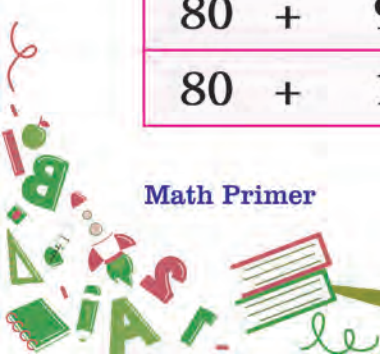
	Tens	Ones
50 + 1 is Fifty one	5	1
50 + 2 is		
50 + 3 is		
50 + 4 is		
50 + 5 is		
50 + 6 is		
50 + 7 is		
50 + 8 is		
50 + 9 is		
50 + 10 is Sixty	6	0

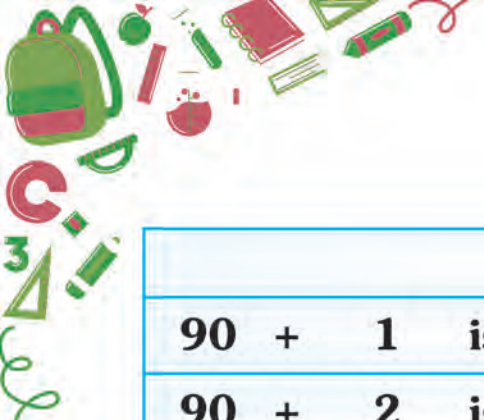
	Tens	Ones
60 + 1 is Sixty one		61
60 + 2 is		
60 + 3 is		
60 + 4 is		
60 + 5 is		
60 + 6 is		
60 + 7 is		
60 + 8 is		
60 + 9 is		
60 + 10 is Seventy	7	0



	Tens	Ones
70 + 1 is Seventy one	7	1
70 + 2 is		
70 + 3 is		
70 + 4 is		
70 + 5 is		
70 + 6 is		
70 + 7 is		
70 + 8 is		
70 + 9 is		
70 + 10 is Eighty	8	0

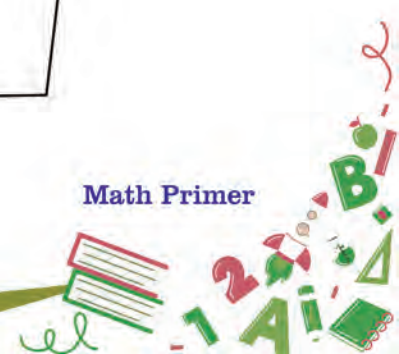
	Tens	Ones
80 + 1 is Eighty one	8	1
80 + 2 is		
80 + 3 is		
80 + 4 is		
80 + 5 is		
80 + 6 is		
80 + 7 is		
80 + 8 is		
80 + 9 is		
80 + 10 is Ninety	9	0





	Tens	Ones
90 + 1 is Ninety one	9	1
90 + 2 is		
90 + 3 is		
90 + 4 is		
90 + 5 is		
90 + 6 is		
90 + 7 is		
90 + 8 is		
90 + 9 is		
90 + 10 is Hundred	10	

Colouring Time





Worksheet

PRACTICE

Expand the following numbers. First has been done for you.

52

5 tens and 2 ones

93

67

81

78

96

54

79

62

57

87

63

78

94

74

98



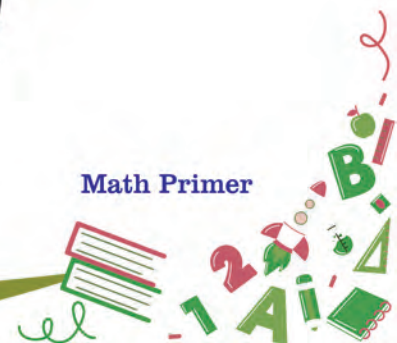
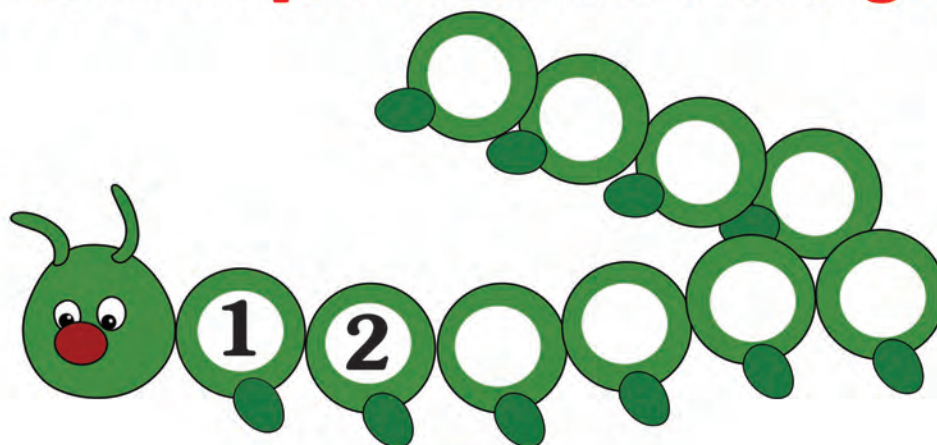
INCREASING ORDER

Increasing order means moving from the lowest value to the highest value.

This order is also called ascending order.



Now, fill the caterpillar in the increasing order.



Worksheet

PRACTICE:- ASCENDING ORDER

Arrange the following in ascending order.
First has been done for you.



42	24	84	48	38	64	72
24	38	42	48	64	72	84

59	92	80	64	72	48	56

22	31	42	29	18	21	36

21	41	19	37	45	30	48

43	35	76	38	12	88	94

45	88	47	77	80	44	96

65	38	74	43	50	72	96



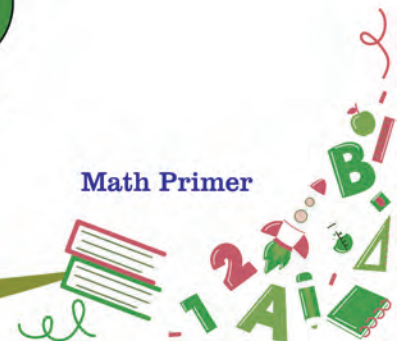
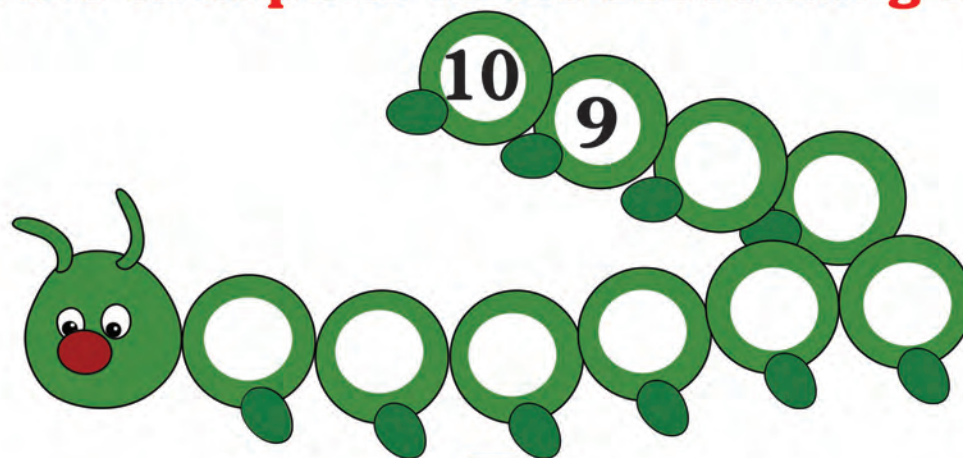
DECREASING ORDER

Decreasing order means moving from the highest value to the lowest value.

This order is also called descending order.



Now, fill the caterpillar in the descending order.



Worksheet

PRACTICE:- DESCENDING ORDER

Arrange the following in descending order.

First has been done for you.



63 48 40 45 34 86 51

86 63 51 48 45 40 34

39 93 13 18 47 33 56

41 24 86 94 54 83 72

26 18 29 63 35 23 38

11 28 31 71 42 39 53

37 13 32 73 68 22 49

39 45 28 18 72 34 54



Worksheet

PRACTICE

Circle the smallest number in each row.

65 85 96 43 9 35 48

94 49 53 35 47 16 92

88 86 89 84 83 96 72

42 72 84 75 63 52 13

45 14 34 17 25 19 63

92 35 86 43 72 89 25

Circle the largest number in each row.

81 87 72 38 76 63 97

64 28 34 96 87 63 43

17 93 85 71 46 35 81

89 47 16 88 48 75 63

71 16 24 49 62 89 15

29 22 34 86 73 96 81



ADDITION UPTO 10

There are 3 candles on the birthday cake.
Place 2 more candles on the birthday cake.
How many candles are there altogether ?

3 candles and 2 candles together are
equal to 5 candles.

$$3 + 2 = 5$$



Do It

Place 2 pencils on the table.
Place 3 more pencils on the table
Now, how many pencils are there
on the table?

2 pencils and 3 more pencils
together are equal to 5 pencils.

(+) sign signifies addition is called
plus.





$$\boxed{4} + \boxed{0} = \boxed{4}$$

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

PRACTICE

1. Add



$$\boxed{3} + \boxed{0} = \boxed{3}$$

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



$$\boxed{6} + \boxed{0} = \boxed{6}$$

$$\begin{array}{r} 6 \\ + 0 \\ \hline 6 \end{array}$$



$$\boxed{2} + \boxed{0} = \boxed{2}$$

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

2. Add

$$\begin{array}{rclcl} 1 & + & 0 & = & \boxed{} \\ 0 & + & 2 & = & \boxed{} \\ 4 & + & 0 & = & \boxed{} \\ 0 & + & 3 & = & \boxed{} \end{array}$$

$$\begin{array}{rclcl} 2 & + & 0 & = & \boxed{} \\ 5 & + & 0 & = & \boxed{} \\ 0 & + & 6 & = & \boxed{} \\ 0 & + & 1 & = & \boxed{} \end{array}$$

Worksheet

PRACTICE

How many altogether ?



3 headphones

and



1 headphone



are equal to 4 headphones.



2 basketballs

and



3 basketballs

are equal to basketballs.



3 ducks

and



ducks



are equal to 6 ducks.



dices

and



4 dices



are equal to 10 dices.

Two ways to add.



$$3 + 2 = \boxed{}$$



$$1 + 3 = \boxed{}$$



$$4 + 1 = \boxed{}$$



$$2 + 3 = \boxed{}$$



$$1 + 2 = \boxed{}$$



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



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



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



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



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

Worksheet

1. Add the following.

$8 + 9 = \square$

$6 + 7 = \square$

$9 + 4 = \square$

$4 + 5 = \square$

$4 + 4 = \square$

$2 + 6 = \square$

$4 + 7 = \square$

$3 + 8 = \square$

2. Add by drawing lines. One is done for you.

$$\begin{array}{r} 3 \text{ III} \\ + 5 \text{ II} \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ + 9 \\ \hline \end{array}$$

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

$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

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

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

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

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

$$\begin{array}{r} 9 \\ + 4 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 8 \\ + 7 \\ \hline \end{array}$$

Worksheet

More addition by strokes.

$$\begin{array}{r} 5 \\ 1 \\ + 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 8 \\ 3 \\ + 6 \\ \hline \end{array}$$

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

$$\begin{array}{r} 2 \\ 4 \\ + 9 \\ \hline \end{array}$$

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

$$\begin{array}{r} 5 \\ 4 \\ + 9 \\ \hline \end{array}$$

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

$$\begin{array}{r} 3 \\ 1 \\ + 9 \\ \hline \end{array}$$

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

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

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

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

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

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

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

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

Worksheet

Write the missing numbers.



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

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



$$\begin{array}{r} 3 \\ + 9 \\ \hline \square \end{array}$$

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



$$\begin{array}{r} 6 \\ + 2 \\ \hline \square \end{array}$$

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



$$\begin{array}{r} 2 \\ + 6 \\ \hline \square \end{array}$$

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



$$\begin{array}{r} 7 \\ + 3 \\ \hline \square \end{array}$$

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



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

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



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

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



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

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



ADDITION WITH CARRY OVER

Add two digit numbers:

Example 1: Add $37 + 8$.

$$37 + 8$$

Add ones $(7) + (8) = 15 = 1 \text{ tens } 5 \text{ ones}$.

Write 5 in ones column.

Carry 1 ten at the top of the tens column.

Add 1 ten (carried over) + 3 tens.

Write 4 in the tens column.

Answer = 45



Kid's IQ

1. Add 15 and 7.
2. What is 28 plus 6?

	Tens	Ones
	1	
	3	7
+	0	8
	4	5

Example 2: Add $58 + 39$.

Add ones $(8 + 9) = 17 = 1 \text{ tens } 7 \text{ ones}$.

Write seven in ones column.

Carry 1 ten at the top of the tens column.

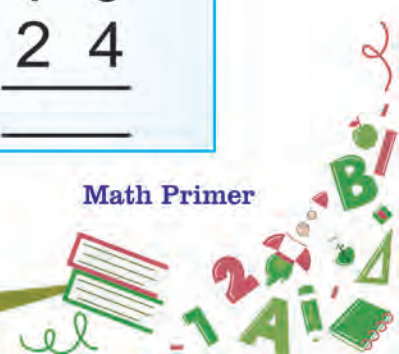
Add 1 ten + 5 + 3 = 9.

Write 9 in the tens column.

Answer = 97

	Tens	Ones
	1	
	5	8
+	3	9
	9	7

<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>4</td><td>8</td></tr><tr><td>+</td><td>1 8</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2"> </td></tr></table>	Tens	Ones	4	8	+	1 8					<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>8</td><td>2</td></tr><tr><td>+</td><td>0 9</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2"> </td></tr></table>	Tens	Ones	8	2	+	0 9					<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>3</td><td>3</td></tr><tr><td>+</td><td>4 8</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2"> </td></tr></table>	Tens	Ones	3	3	+	4 8					<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>4</td><td>8</td></tr><tr><td>+</td><td>4 9</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2"> </td></tr></table>	Tens	Ones	4	8	+	4 9				
Tens	Ones																																										
4	8																																										
+	1 8																																										
Tens	Ones																																										
8	2																																										
+	0 9																																										
Tens	Ones																																										
3	3																																										
+	4 8																																										
Tens	Ones																																										
4	8																																										
+	4 9																																										
<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>5</td><td>8</td></tr><tr><td>+</td><td>3 5</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2"> </td></tr></table>	Tens	Ones	5	8	+	3 5					<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>2</td><td>5</td></tr><tr><td>+</td><td>4 6</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2"> </td></tr></table>	Tens	Ones	2	5	+	4 6					<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>3</td><td>6</td></tr><tr><td>+</td><td>2 4</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2"> </td></tr></table>	Tens	Ones	3	6	+	2 4					<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>1</td><td>6</td></tr><tr><td>+</td><td>2 4</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2"> </td></tr></table>	Tens	Ones	1	6	+	2 4				
Tens	Ones																																										
5	8																																										
+	3 5																																										
Tens	Ones																																										
2	5																																										
+	4 6																																										
Tens	Ones																																										
3	6																																										
+	2 4																																										
Tens	Ones																																										
1	6																																										
+	2 4																																										



Addition world problems

Number Stories

In a class, there are 15 girls and 16 boys. How many students are there altogether?

_____ students

$$\begin{array}{r} 15 \text{ girls} \\ + 16 \text{ boys} \\ \hline \end{array}$$

31 women and 46 men went to see the India Gate. How many people went there ?

_____ people

$$\begin{array}{r} 31 \text{ women} \\ + 46 \text{ men} \\ \hline \end{array}$$

A fruit seller sold 10 apples and 8 oranges. How many fruits did he sell?

_____ fruits

$$\begin{array}{r} 10 \text{ apples} \\ + 08 \text{ oranges} \\ \hline \end{array}$$

There are 23 eagles and 18 crows sitting on a big tree. How many birds are there in total ? _____ birds

$$\begin{array}{r} 23 \text{ eagles} \\ + 18 \text{ crows} \\ \hline \end{array}$$

Worksheet

PRACTICE

Addition with carrying over.

$$\begin{array}{r} + \\ \textcircled{1} \\ 1 5 \\ + 1 8 \\ \hline 3 \textcircled{1} 3 \\ \hline 33 \end{array}$$

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

$$\begin{array}{r} + \\ \textcircled{1} \\ 1 3 \\ + 2 9 \\ \hline 4 \textcircled{1} 2 \\ \hline \end{array}$$

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

$$\begin{array}{r} + \\ \textcircled{1} \\ 1 5 \\ + 1 8 \\ \hline 3 \textcircled{1} 3 \\ \hline \end{array}$$

$$\begin{array}{r} + \\ \textcircled{1} \\ 4 6 \\ + 3 6 \\ \hline 8 \textcircled{1} 2 \\ \hline \end{array}$$

More Addition

TO
1
33
+ 28
61

TO
52
+ 24

TO
26
+ 29

TO
29
+ 17

TO
56
+ 38

TO
56
+ 28

TO
25
+ 49

TO
46
+ 46

TO
37
+ 16

TO
35
+ 46

TO
42
+ 29

TO
74
+ 05

TO
46
+ 39

TO
29
+ 29

TO
37
+ 22

TO
47
+ 38

TO
56
+ 27

TO
78
+ 18

TO
68
+ 27

TO
85
+ 09

Worksheet

TO
1
55
+ 35
90

TO

14
+ 54

TO

35
+ 45

TO

21
+ 36

TO

52
+ 16

TO

32
+ 47

TO

21
+ 68

TO

61
+ 38

TO

12
+ 51

TO

16
+ 31

TO

81
+ 07

TO

61
+ 13

TO

32
+ 47

TO

81
+ 18

TO

63
+ 19

TO

41
+ 38

TO

12
+ 43

TO

86
+ 01

TO

21
+ 75

TO

30
+ 20

Worksheet

TO
1
12
+ 13
25

TO

15
+ 12

TO

22
+ 11

TO

44
+ 46

TO

67
+ 16

TO

54
+ 38

TO

45
+ 38

TO

65
+ 16

TO

23
+ 47

TO

24
+ 38

TO

37
+ 49

TO

59
+ 28

TO

14
+ 55

TO

19
+ 39

TO

37
+ 48

TO

18
+ 67

TO

75
+ 02

TO

48
+ 28

TO

75
+ 13

TO

50
+ 40

Worksheet

TO

1

$$\begin{array}{r} 49 \\ + 45 \\ \hline 94 \end{array}$$

TO

$$\begin{array}{r} 45 \\ + 39 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 69 \\ + 11 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 16 \\ + 58 \\ \hline \end{array}$$

TO

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

TO

$$\begin{array}{r} 18 \\ + 56 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 22 \\ + 38 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 11 \\ + 15 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 52 \\ + 17 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 61 \\ + 16 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 43 \\ + 15 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 21 \\ + 08 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 22 \\ + 31 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 18 \\ + 34 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 51 \\ + 15 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 21 \\ + 38 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 71 \\ + 18 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 58 \\ + 28 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 87 \\ + 08 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 20 \\ + 64 \\ \hline \end{array}$$

Worksheet

TO
1
15
+ 15
30

TO

16
+ 62

TO

23
+ 21

TO

14
+ 54

TO

27
+ 15

TO

44
+ 33

TO

25
+ 39

TO

45
+ 19

TO

23
+ 41

TO

34
+ 32

TO

27
+ 69

TO

49
+ 28

TO

16
+ 51

TO

14
+ 19

TO

60
+ 07

TO

34
+ 48

TO

41
+ 58

TO

40
+ 48

TO

67
+ 17

TO

87
+ 04

Worksheet

TO

1

$$\begin{array}{r} 19 \\ + 55 \\ \hline 74 \end{array}$$

TO

$$\begin{array}{r} 25 \\ + 37 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 29 \\ + 14 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 19 \\ + 68 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 81 \\ + 06 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 58 \\ + 36 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 22 \\ + 31 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 10 \\ + 57 \\ \hline \end{array}$$

TO

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

TO

$$\begin{array}{r} 60 \\ + 06 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 13 \\ + 17 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 11 \\ + 48 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 29 \\ + 41 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 21 \\ + 55 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 78 \\ + 10 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 44 \\ + 38 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 12 \\ + 34 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 70 \\ + 27 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 83 \\ + 07 \\ \hline \end{array}$$

TO

$$\begin{array}{r} 68 \\ + 14 \\ \hline \end{array}$$

Worksheet

Addition with carrying over.

1 1 4 116 48 1				1 2 4 1243 97 1				
1	6	1	4	3	1	4	1	0
1	6		4	3		4		0

$$\begin{array}{r} 212 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 134 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 212 \\ + 41 \\ \hline \end{array}$$

$$\begin{array}{r} 134 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ + 69 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 212 \\ + 51 \\ \hline \end{array}$$

$$\begin{array}{r} 134 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ + 67 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ + 68 \\ \hline \end{array}$$



Worksheet

$$\begin{array}{r} 425 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 186 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 304 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 148 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 685 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 750 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 642 \\ + 76 \\ \hline \end{array}$$

$$\begin{array}{r} 815 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 151 \\ + 50 \\ \hline \end{array}$$

$$\begin{array}{r} 557 \\ + 62 \\ \hline \end{array}$$

$$\begin{array}{r} 267 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 716 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 589 \\ + 69 \\ \hline \end{array}$$

$$\begin{array}{r} 690 \\ + 60 \\ \hline \end{array}$$

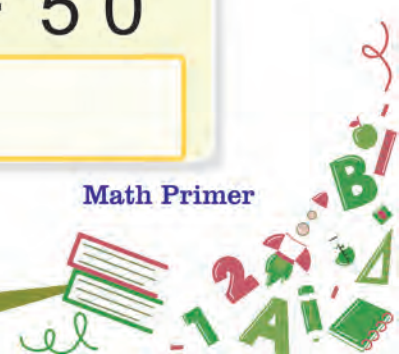
$$\begin{array}{r} 900 \\ + 78 \\ \hline \end{array}$$

$$\begin{array}{r} 269 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 128 \\ + 89 \\ \hline \end{array}$$

$$\begin{array}{r} 900 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ + 50 \\ \hline \end{array}$$



Worksheet

$$\begin{array}{r} 886 \\ + 57 \\ \hline \end{array}$$

$$\begin{array}{r} 415 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 747 \\ + 87 \\ \hline \end{array}$$

$$\begin{array}{r} 623 \\ + 97 \\ \hline \end{array}$$

$$\begin{array}{r} 312 \\ + 76 \\ \hline \end{array}$$

$$\begin{array}{r} 454 \\ + 65 \\ \hline \end{array}$$

$$\begin{array}{r} 320 \\ + 83 \\ \hline \end{array}$$

$$\begin{array}{r} 420 \\ + 96 \\ \hline \end{array}$$

$$\begin{array}{r} 649 \\ + 71 \\ \hline \end{array}$$

$$\begin{array}{r} 247 \\ + 69 \\ \hline \end{array}$$

$$\begin{array}{r} 700 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} 204 \\ + 72 \\ \hline \end{array}$$

$$\begin{array}{r} 923 \\ + 76 \\ \hline \end{array}$$

$$\begin{array}{r} 147 \\ + 80 \\ \hline \end{array}$$

$$\begin{array}{r} 500 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 602 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} 819 \\ + 80 \\ \hline \end{array}$$

$$\begin{array}{r} 555 \\ + 55 \\ \hline \end{array}$$

$$\begin{array}{r} 909 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} 300 \\ + 50 \\ \hline \end{array}$$



Worksheet

$$\begin{array}{r} 789 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 321 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 456 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 132 \\ + 42 \\ \hline \end{array}$$

$$\begin{array}{r} 864 \\ + 62 \\ \hline \end{array}$$

$$\begin{array}{r} 888 \\ + 66 \\ \hline \end{array}$$

$$\begin{array}{r} 986 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 430 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 810 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 868 \\ + 90 \\ \hline \end{array}$$

$$\begin{array}{r} 846 \\ + 99 \\ \hline \end{array}$$

$$\begin{array}{r} 432 \\ + 68 \\ \hline \end{array}$$

$$\begin{array}{r} 288 \\ + 22 \\ \hline \end{array}$$

$$\begin{array}{r} 126 \\ + 89 \\ \hline \end{array}$$

$$\begin{array}{r} 896 \\ + 35 \\ \hline \end{array}$$

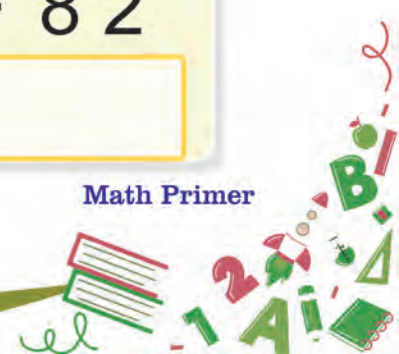
$$\begin{array}{r} 412 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 103 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 856 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 168 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 546 \\ + 82 \\ \hline \end{array}$$



Worksheet

$$\begin{array}{r} 707 \\ + 69 \\ \hline \end{array}$$

$$\begin{array}{r} 111 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} 267 \\ + 77 \\ \hline \end{array}$$

$$\begin{array}{r} 561 \\ + 52 \\ \hline \end{array}$$

$$\begin{array}{r} 809 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 759 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ + 99 \\ \hline \end{array}$$

$$\begin{array}{r} 290 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} 140 \\ + 69 \\ \hline \end{array}$$

$$\begin{array}{r} 549 \\ + 48 \\ \hline \end{array}$$

$$\begin{array}{r} 860 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 206 \\ + 86 \\ \hline \end{array}$$

$$\begin{array}{r} 220 \\ + 86 \\ \hline \end{array}$$

$$\begin{array}{r} 639 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 430 \\ + 75 \\ \hline \end{array}$$

$$\begin{array}{r} 527 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 910 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 760 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 452 \\ + 90 \\ \hline \end{array}$$

$$\begin{array}{r} 859 \\ + 67 \\ \hline \end{array}$$



SUBTRACTION (-)

Here are three apples in the basket.



Jack takes one apple from the basket.

Now, there are two apples in the basket.

We say, one apple has been taken away from three apples.

So, 1 less from 3 is 2.

$$3 - 1 = 2$$



Now, Jack takes one more apple from the basket.

Now, there is one apple in the basket.

We say, one apple has been taken away from two apples.

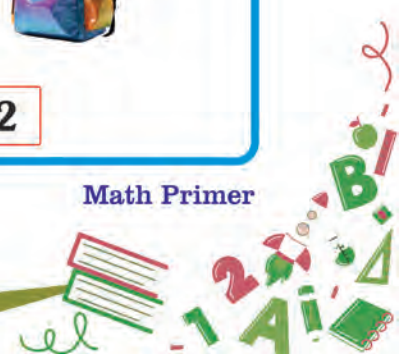
So, 1 less from 2 is 1.

$$2 - 1 = 1$$



(-) means subtract or minus.


$$\boxed{5} - \boxed{2} = \boxed{3}$$

$$\boxed{6} - \boxed{4} = \boxed{2}$$


Worksheet

PRACTICE

1. Subtract in horizontal

$6 - 2 = \square$

$5 - 4 = \square$

$5 - 5 = \square$

$6 - 3 = \square$

$8 - 1 = \square$

$7 - 3 = \square$

$3 - 3 = \square$

$6 - 1 = \square$

2. Subtract in Vertical

$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$$

Worksheet

$$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$$

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

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$

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

$$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$$



SUBTRACTION WITH BORROWING

Subtraction of two digit numbers :

Example- Subtraction of 19 from 63.

We cannot subtract 9 ones from 3 ones.

So, we borrow 1 ten from 6 tens.

We cross out 6 and write 5.

1 ten + 3 ones = 13 ones.

13 ones - 9 ones = 4 ones.

We write 4 under ones place.

We subtract 1 ten from 5 tens.

5 tens - 1 ten = 4 tens.

We write 4 tens under tens place. The answer is 44.

T	O
5	13
6	3
1	9
4	4

T	O
5	1
-	4

T	O
4	2
-	5

T	O
3	2
-	8

T	O
5	4
-	6

T	O
4	2
-	1 4

T	O
5	2
-	2 5

T	O
3	2
-	1 8

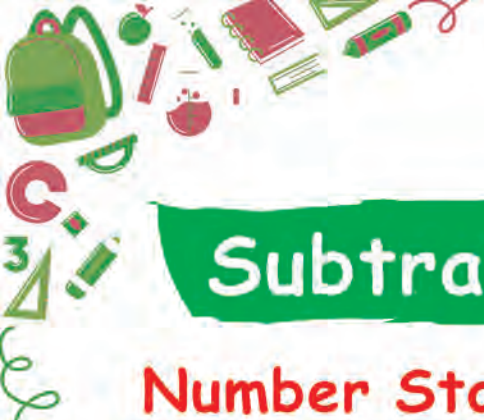
T	O
5	4
-	2 6

T	O
3	4
-	1 6

T	O
5	4
-	1 9

T	O
7	2
-	4 8

T	O
9	5
-	6 8



Subtraction Word Problems

Number Stories

In a class, there are 45 students.
12 students are absent.
There are _____ students
present.

$$\begin{array}{r} 45 \\ - 12 \\ \hline \end{array}$$

Yash had 20 pencils. He gave
14 pencils to his sister.
Now, he has _____ pencils.

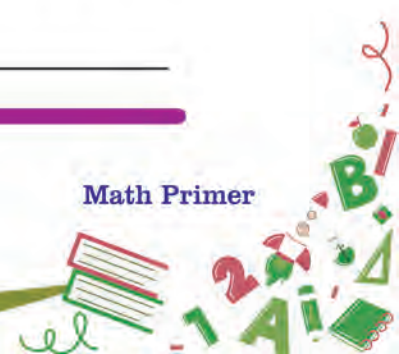
$$\begin{array}{r} 20 \\ - 14 \\ \hline \end{array}$$

Ravi had 17 cakes. He gave 9
cakes to his friend.
Now, he has _____ cakes.

$$\begin{array}{r} 17 \\ - 9 \\ \hline \end{array}$$

9 birds were sitting on a tree.
3 birds flew away.
Now, _____ birds are on the
tree.

$$\begin{array}{r} 09 \\ - 03 \\ \hline \end{array}$$



More Subtraction

Subtract the following numbers. One has been done for you:

$\begin{array}{r} \text{TO} \\ 21 \\ \cancel{31} \\ - 4 \\ \hline 27 \end{array}$	$\begin{array}{r} 82 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ - 5 \\ \hline \end{array}$
$\begin{array}{r} 48 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ - 4 \\ \hline \end{array}$
$\begin{array}{r} 41 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ - 3 \\ \hline \end{array}$
$\begin{array}{r} 91 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 85 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 77 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ - 6 \\ \hline \end{array}$
$\begin{array}{r} 85 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ - 3 \\ \hline \end{array}$



Worksheet

Subtract the following numbers. One has been done for you:

$$\begin{array}{r} 45 \\ - 5 \\ \hline \end{array}$$

40

$$\begin{array}{r} 66 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 8 \\ \hline \end{array}$$

Worksheet

Subtract the following numbers. One has been done for you:

59

- 25

34

70

- 62

45

- 27

69

- 24

26

- 20

93

- 84

62

- 34

32

- 22

61

- 18

91

- 84

83

- 54

42

- 24

88

- 27

67

- 50

86

- 70

15

- 10

55

- 47

98

- 89

98

- 73

98

- 89



Worksheet

Subtract the following numbers. One has been done for you:

$$\begin{array}{r} 38 \\ - 31 \\ \hline 07 \end{array}$$

$$\begin{array}{r} 62 \\ - 43 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ - 43 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ - 44 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 54 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 78 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ - 70 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ - 39 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ - 71 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ - 34 \\ \hline \end{array}$$



Worksheet

Subtract the following numbers. One has been done for you:

$$\begin{array}{r} 99 \\ - 81 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 78 \\ - 49 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 57 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 28 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ - 49 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ - 41 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 45 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 50 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 15 \\ \hline \end{array}$$



Worksheet

Subtract the following numbers. One has been done for you:

$$\begin{array}{r} 49 \\ - 21 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 88 \\ - 47 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 51 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 74 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ - 45 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ - 64 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 57 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ - 28 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 61 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 28 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ - 45 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ - 55 \\ \hline \end{array}$$

Worksheet-Three Digit Number

Subtract the following numbers. One has been done for you:

H T O

10

4 ~~11~~ 11

~~5~~ ~~1~~ ~~1~~

- 3 9 8

1 1 3

4 4 4

- 1 4 2

7 8 9

- 4 7 2

8 3 2

- 7 3 2

8 5 6

- 4 2 5

5 7 4

- 2 5 5

6 9 9

- 5 5 2

8 8 6

- 6 6 6

7 8 9

- 5 8 0

4 1 6

- 3 2 5

5 7 7

- 2 4 2

4 7 7

- 1 4 8

8 8 3

- 4 3 7

7 8 4

- 1 7 2

7 8 7

- 3 2 8

6 7 6

- 5 4 6



MULTIPLICATION CONCEPT

Consider 4 groups of 2 balloons each :



How many balloons are there in all?

So, 2 taken 4 times = $2 + 2 + 2 + 2 = 8$

We can say that 2 multiplied by 4 is equal to 8.

Multiplication is the repeated addition of a number.
 $(\times)$ is the symbol of multiplication.

How many strawberries are there altogether

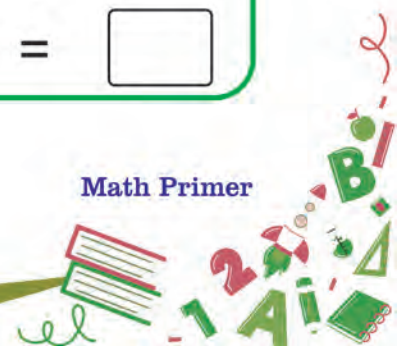


4		4		4
4	$\times$	3	=	

How many cars are there altogether



	$\times$		=	



Multiplication word problems

4 students can sit on one bench.
How many students can sit
on 3 benches? $4 + 4 + 4 = \square$

On 1 bench

=	4
---	---

On 3 bench

$\times$	3
----------	---

Total students

=	12
---	----

In 1 taxi, 5 persons can travel.
How many persons can travel
in 8 taxis? $5+5+5+5+5+5+5+5 = \square$

In 1 taxi

=	
---	--

In 8 taxi

$\times$	
----------	--

Total persons

=	
---	--

8 children are sitting in each row.
How many children are there in
7 rows? $8+8+8+8+8+8+8 = \square$

In 1 row

=	
---	--

In 7 rows

$\times$	
----------	--

Total children

=	
---	--

A truck has 6 wheels. How many
wheels are there in 9 trucks? $6+6+6+6+6+6+6+6+6 = \square$

In 1 truck

=	
---	--

In 9 truck

$\times$	
----------	--

Total wheels

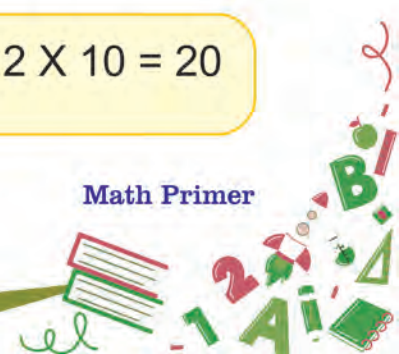
=	
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Multiplication Table of 2

Look at the given table.

Zero means nothing. So, $2 \times 0 = 0$	0 Times 2	$2 \times 0 = 0$
$2 = 2$	1 Times 2	$2 \times 1 = 2$
$2 + 2 = 4$	2 Times 2	$2 \times 2 = 4$
$2 + 2 + 2 = 6$	3 Times 2	$2 \times 3 = 6$
$2 + 2 + 2 + 2 = 8$	4 Times 2	$2 \times 4 = 8$
$2 + 2 + 2 + 2 + 2 = 10$	5 Times 2	$2 \times 5 = 10$
$2 + 2 + 2 + 2 + 2 + 2 = 12$	6 Times 2	$2 \times 6 = 12$
$2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$	7 Times 2	$2 \times 7 = 14$
$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$	8 Times 2	$2 \times 8 = 16$
$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 18$	9 Times 2	$2 \times 9 = 18$
$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$	10 Times 2	$2 \times 10 = 20$



Multiplication Table

Table of 3

$3 \times 1 = 3$
$3 \times 2 = 6$
$3 \times 3 = 9$
$3 \times 4 = 12$
$3 \times 5 = 15$
$3 \times 6 = 18$
$3 \times 7 = 21$
$3 \times 8 = 24$
$3 \times 9 = 27$
$3 \times 10 = 30$

Table of 4

$4 \times 1 = 4$
$4 \times 2 = 8$
$4 \times 3 = 12$
$4 \times 4 = 16$
$4 \times 5 = 20$
$4 \times 6 = 24$
$4 \times 7 = 28$
$4 \times 8 = 32$
$4 \times 9 = 36$
$4 \times 10 = 40$

Table of 5

$5 \times 1 = 5$
$5 \times 2 = 10$
$5 \times 3 = 15$
$5 \times 4 = 20$
$5 \times 5 = 25$
$5 \times 6 = 30$
$5 \times 7 = 35$
$5 \times 8 = 40$
$5 \times 9 = 45$
$5 \times 10 = 50$

Table of 6

$6 \times 1 = 6$
$6 \times 2 = 12$
$6 \times 3 = 18$
$6 \times 4 = 24$
$6 \times 5 = 30$
$6 \times 6 = 36$
$6 \times 7 = 42$
$6 \times 8 = 48$
$6 \times 9 = 54$
$6 \times 10 = 60$

Table of 7

$7 \times 1 = 7$
$7 \times 2 = 14$
$7 \times 3 = 21$
$7 \times 4 = 28$
$7 \times 5 = 35$
$7 \times 6 = 42$
$7 \times 7 = 49$
$7 \times 8 = 56$
$7 \times 9 = 63$
$7 \times 10 = 70$

Table of 8

$8 \times 1 = 8$
$8 \times 2 = 16$
$8 \times 3 = 24$
$8 \times 4 = 32$
$8 \times 5 = 40$
$8 \times 6 = 48$
$8 \times 7 = 56$
$8 \times 8 = 64$
$8 \times 9 = 72$
$8 \times 10 = 80$

Table of 9

$9 \times 1 = 9$
$9 \times 2 = 18$
$9 \times 3 = 27$
$9 \times 4 = 36$
$9 \times 5 = 45$
$9 \times 6 = 54$
$9 \times 7 = 63$
$9 \times 8 = 72$
$9 \times 9 = 81$
$9 \times 10 = 90$

Table of 10

$10 \times 1 = 10$
$10 \times 2 = 20$
$10 \times 3 = 30$
$10 \times 4 = 40$
$10 \times 5 = 50$
$10 \times 6 = 60$
$10 \times 7 = 70$
$10 \times 8 = 80$
$10 \times 9 = 90$
$10 \times 10 = 100$

Worksheet

$6 \times 2 = \square$

$5 \times 4 = \square$

$5 \times 5 = \square$

$6 \times 7 = \square$

$8 \times 5 = \square$

$8 \times 1 = \square$

$7 \times 9 = \square$

$3 \times 8 = \square$

$6 \times 1 = \square$

$8 \times 3 = \square$

Match the following

6×4

15

8×4

36

2×7

45

8×5

48

5×3

14

8×6

35

5×9

16

7×5

40

4×4

24

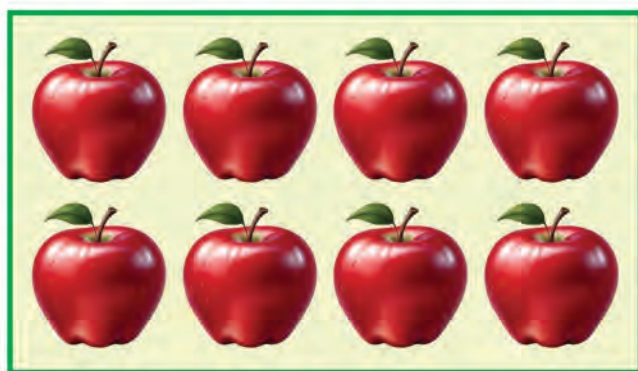
6×6

32

DIVISION CONCEPT

Division means distributing in equal number of parts. The symbol for division is ' $\div$ '.

Divide 8 apples among 2 girls. if we give equal apples to each girl, the girls will have 4 apples each.



We have to subtract 2 repeatedly from 8.

$$\begin{array}{ccccccc} 8 & - & 2 & = & 6 & - & 2 & = & 4 & - & 2 & = & 2 & - & 2 & = & 0 \\ \underbrace{}_1 & & \underbrace{}_2 & & \underbrace{}_3 & & \underbrace{}_4 & & & & & & & & & & \end{array}$$

Division is expressed as repeated subtraction.

We write it as $8 \div 2 = 4$.

We say 8 divided by 2 is equal to 4.



8

=

2

+

2

+

2

+

2

$$8 \div 2 = 4$$

4 parts

Division with Remainder

Suppose that there are 20 chocolates. Now, divide these chocolates among 5 children. How many chocolates would each child get?

$$\begin{array}{r} 4 \text{ ← quotient} \\ \text{divisor → } 5 \overline{) 20} \text{ ← dividend} \\ - 20 \\ \hline 0 \text{ ← remainder} \end{array}$$

$$\begin{aligned} \text{quotient} &= 4 \\ \text{divisor} &= 5 \\ \text{dividend} &= 20 \\ \text{remainder} &= 0 \end{aligned}$$

Hence, each child would get 4 chocolates and 0 is the remainder.

Exercise

$$2 \overline{) 8}$$

$$3 \overline{) 12}$$

$$4 \overline{) 20}$$

$$3 \overline{) 15}$$

$$5 \overline{) 15}$$

$$6 \overline{) 18}$$

$$3 \overline{) 24}$$

$$6 \overline{) 30}$$

Worksheet

Divide the following :

$$5 \overline{) 50}$$

$$3 \overline{) 30}$$

$$4 \overline{) 36}$$

$$2 \overline{) 8}$$

$$5 \overline{) 40}$$

$$2 \overline{) 6}$$

$$2 \overline{) 14}$$

$$2 \overline{) 18}$$

$$4 \overline{) 16}$$

$$5 \overline{) 20}$$

$$2 \overline{) 12}$$

$$3 \overline{) 18}$$

$$2 \overline{) 14}$$

$$5 \overline{) 25}$$

$$5 \overline{) 40}$$

$$6 \overline{) 36}$$

$$3 \overline{) 12}$$

$$4 \overline{) 24}$$

$$3 \overline{) 27}$$

$$5 \overline{) 45}$$



SHAPES

Plane figures



This is a square. It has 4 sides and 4 corners. All four sides are equal.



This is a rectangle. It also has 4 sides and 4 corners but only opposite sides are equal.



This is a circle. It has no corner.



This is a triangle. Its has 3 corners.



This is an oval. It has no corner. It looks like an egg.

Join the dots and make plane figures.

Square



Rectangle



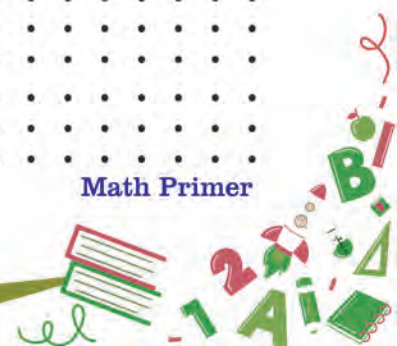
Triangle



Circle



Oval





INDIAN CURRENCY

The currency in India is called Rupee.

The abbreviation/short form of Rupee is Rs. or symbol
₹.

We use coins and notes to buy and sell things.

Indian Coins

During old times in India we had paise also but now it is not used. For knowledge - 1 Rupee = 100 Paise.

We use to have coins of 1, 2, 3, 5, 10, 20, 25 and 50 Paise.

Now days we use coins of ₹1, 2, 5 and 10. The government has also released coins of ₹20



Indian Currency Notes

1 Rupee, 2 Rupee, 5 Rupee,
10 Rupee, 20 Rupee, 50 Rupee, 100 Rupee,
200 Rupee and 500 Rupee are used today.



Circle the notes and coins to make :

₹17



₹56



Addition with money (shopping)



Ball

₹ 5



Bat

₹ 90



Ice Cream

₹ 7



Orange

₹ 8



Eraser

₹ 2



Pen

₹ 3



Pastry

₹ 6



Toffee

₹ 1

Look at the following pictures and give answer.

1. Nina bought 1  and 1  .
She spent _____ .

$$\begin{array}{r} \text{₹} \\ \text{Bat} \\ + \text{Ball} \\ \hline \hline \end{array}$$

2. Tanya bought 1 , 1  and 1  .
She spent _____ .

$$\begin{array}{r} \text{₹} \\ \text{Pastry} \\ + \text{Orange} \\ + \text{Toffee} \\ \hline \hline \end{array}$$

3. Arvind bought 1 , 1  and 1  .
He spent _____ .

$$\begin{array}{r} \text{₹} \\ \text{Pen} \\ + \text{Ice-Cream} \\ + \text{Eraser} \\ \hline \hline \end{array}$$

Who spent the most money ? _____



TIME

A clock has three hands.
The long hand is the minute hand.
The short hand is the hour hand.
The thin hand is the second hand.



The clock has numbers from 1 to 12 on its face.



Long hand at 12, **short** hand at **5**.
The time is **5** o'clock



Long hand at 12, **short** hand at **9**.
The time is **9** o'clock

Observe time for each clock.



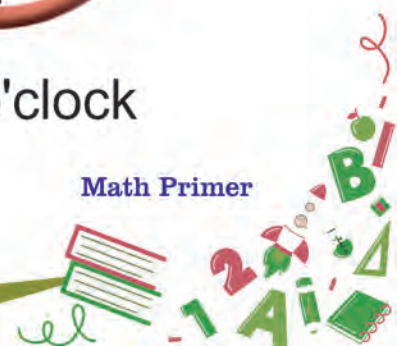
8 o'clock



10 o'clock



3 o'clock



Tell The Time



It is o'clock



It is o'clock



It is o'clock



It is o'clock





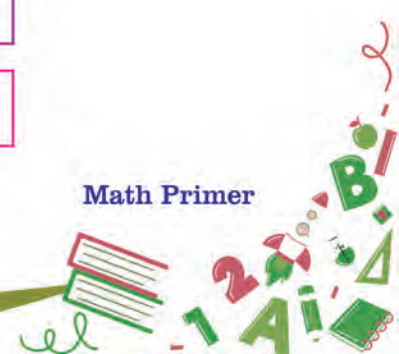
Days of the Week

A week has 7 days. Say them aloud in the order they come.

Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

Draw a line to join the day that comes after each day.

Sunday	☐	☐	Thursday
Monday	☐	☐	Saturday
Tuesday	☐	☐	Friday
Wednesday	☐	☐	Wednesday
Thursday	☐	☐	Sunday
Friday	☐	☐	Tuesday
Saturday	☐	☐	Monday



Months of the Year

Here are the months of the year. Say them aloud. Repeat until you remember their order.

1 January

2 February

3 March

4 April

5 May

6 June

7 July

8 August

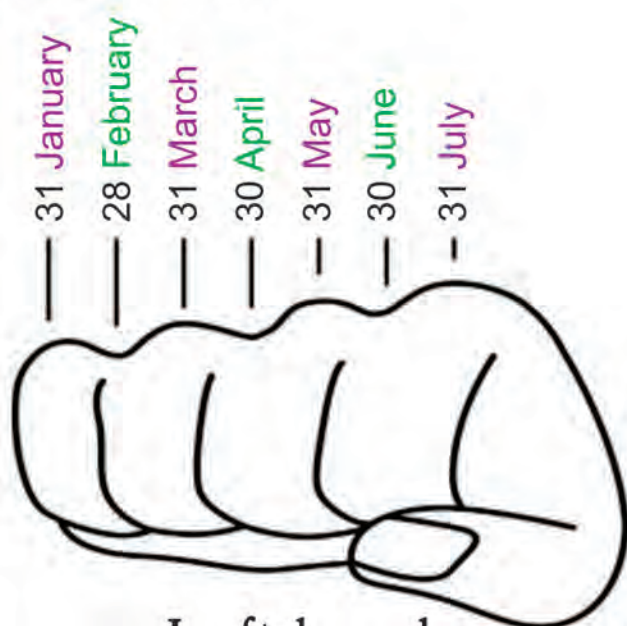
9 September

10 October

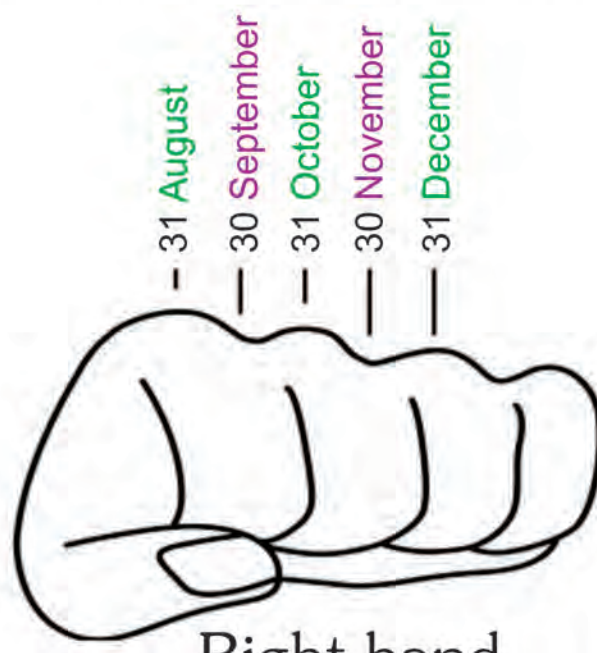
11 November

12 December

Count on your knuckles and remember the days in each of the month.



Left hand



Right hand