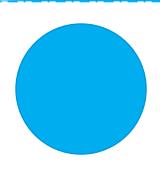


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# **Basic Shapes**



This is a **Circle**.
It is round.
It has no sides or corner.







This is a **Triangle**.

It has three sides and three corners.

Its all sides may or may not be equal.



This is a **Rectangle**.
It has four sides and four corners.
Its opposite sides are equal.



This is a Square.

It has four sides and four corners.

Its all four sides are equal.



#### Draw a line to match the shapes:





# Big and Small



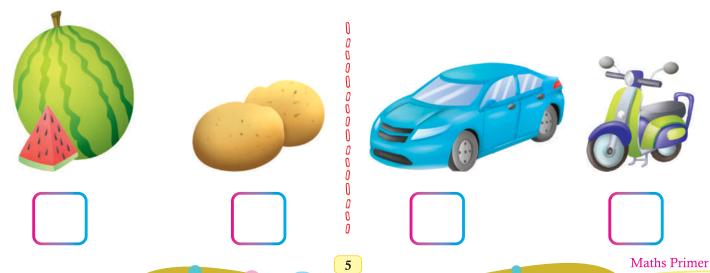








#### Write B for big object and S for small object:





# Heavy and Light





Write H for heaviest and L for lightest object.

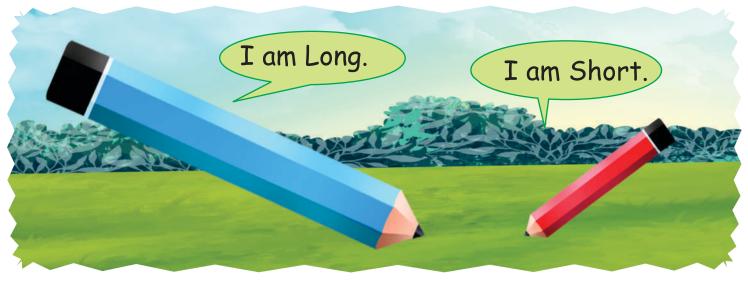


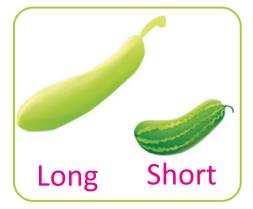
Tick (✓) for the heavier object and cross (×) for the lighter object.

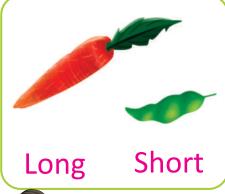




# Long and Short



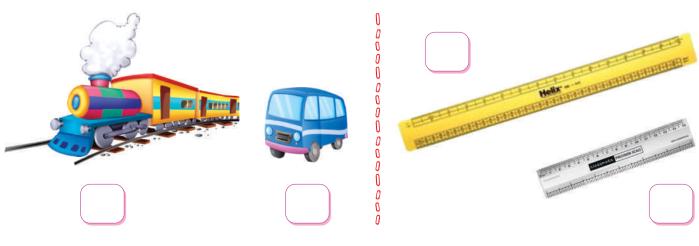








#### Write L for long object and S for short object:

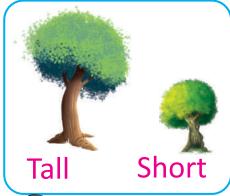


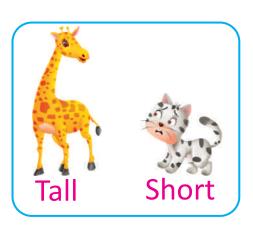


## **Tall and Short**



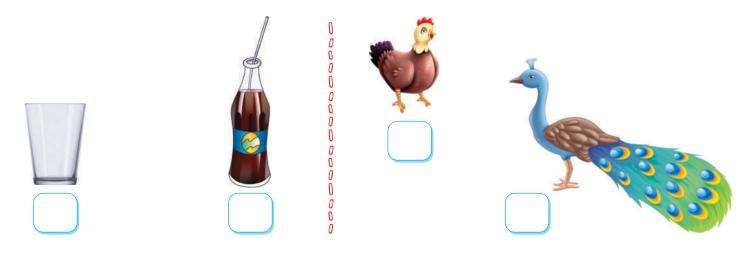








#### Write T for tall object and S for short object:



Maths Primer

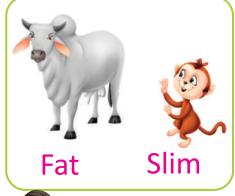
8

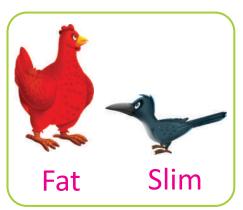


## Fat and Slim



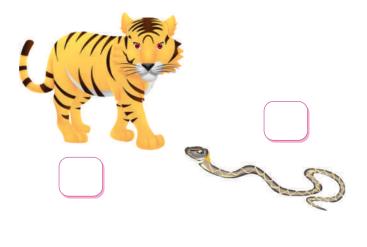


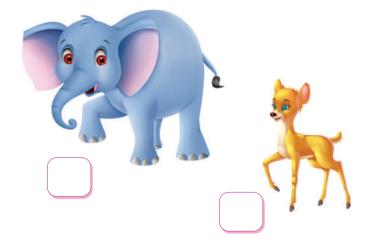






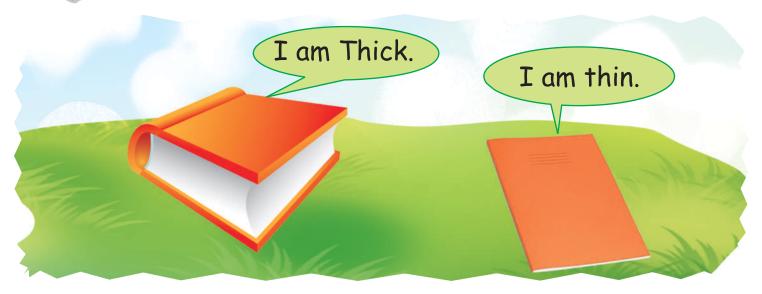
#### Write F for fat object and S for slim object:





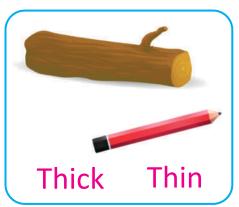


## Thick and Thin



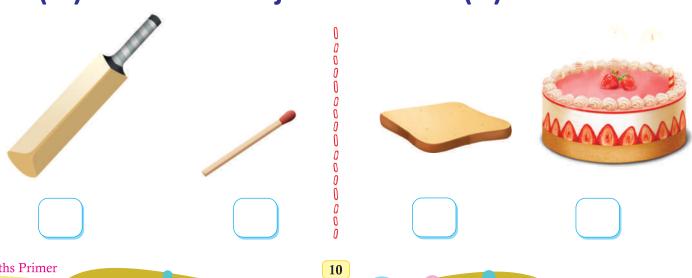






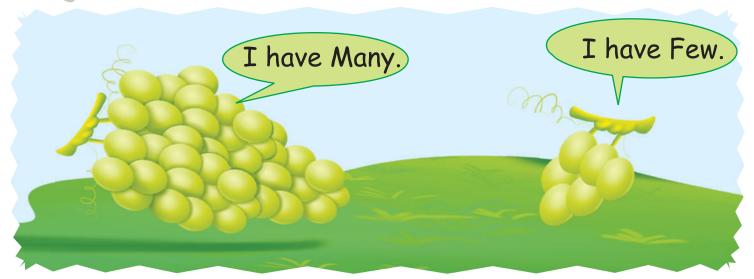


Tick (✓) the thicker object and cross (×) the thin one.



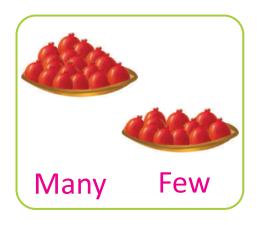


# Many and Few



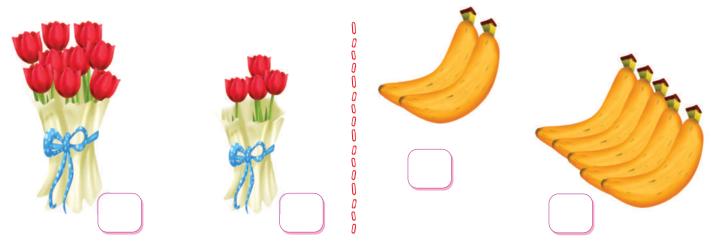








#### Write M for many object and F for few object:



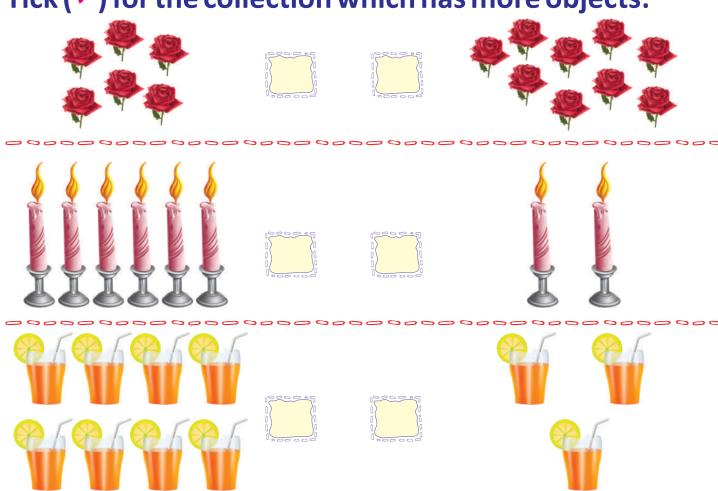


Maths Primer

## More and Less



#### Tick (✓) for the collection which has more objects:



12



# Near and Far



Tick (✓) fish which is near the mermaid and cross (×) the fish which is far from the mermaid.

EXERCISE

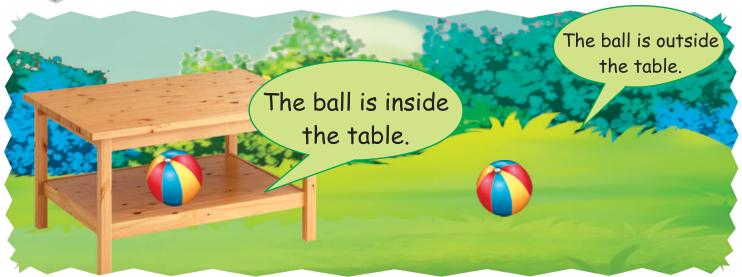


Tick (✓) which is far from the tree and cross (×) which

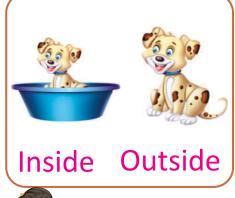




## Inside and Outside



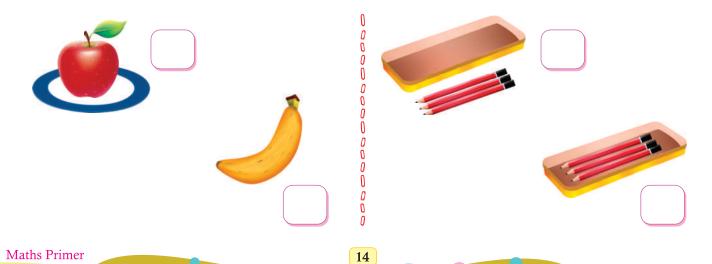




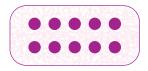




Write I for inside object and O for outside object.



# Numbers in Forward Order Understanding 11 to 20



10 balls

+



10 + 1

11

Eleven

+



10 + 2

12

**Twelve** 

+



10 + 3

13

Thirteen

+



10 + 4

14

Fourteen



+



10 + 5

15

Fifteen



+



10 + 6

16

Sixteen



+



10 + 7

17

Seventeen



+



10 + 8

18

Eighteen

+



10 + 9

19

Nineteen

+



10 + 10

20

Twenty



# Numbers 21 to 100 with Number Names

21 Twenty One 22 Twenty Two 23 Twenty Three 24 Twenty Four 25 Twenty Five

26 Twenty Six 27 Twenty Seven 28 Twenty Eight 29 Twenty Nine 30 Thirty

31 Thirty One 32 Thirty Two 33 Thirty Three

34 Thirty Four 35 Thirty Five 36 Thirty

37 Thirty Seven 38 Thirty Eight

39 Thirty Nine 40 Forty

41 Forty One 42 Forty Two 43 Forty Three 44 Forty Four

45 Forty Five 46 Forty Six 47
Forty
Seven

48 Forty Eight

49 Forty Nine 50 Fifty

51 Fifty One 52 Fifty Two 53 Fifty Three 54 Fifty Four 55 Fifty Five 56 Fifty Six

**57**Fifty
Seven

58 Fifty Eight

59 Fifty Nine 60 Sixty

61 Sixty One 62 Sixty Two 63 Sixty Three 64 Sixty Four

74

Seventy

Four

65 Sixty Five

66 Sixty Six 67 Sixty Seven 68 Sixty Eight 69 Sixty 70 Seventy

71 Seventy

One

72 Seventy Two 73 Seventy Three

,

75 Seventy Five

76 Seventy 77 Seventy Seven 78 Seventy Eight 79 Seventy Nine 80 Eighty

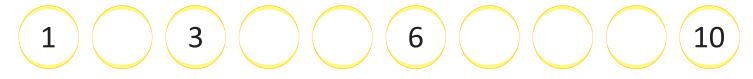
81 Eighty 82 Eighty Two 83 Eighty Three

84 Eighty Four 85 Eighty Five 86 Eighty Six 87 Eighty Seven 88 Eighty Eight 89 Eighty Nine 90 Ninety

91 Ninety One 92 Ninety 93 Ninety Three 94 Ninety Four 95 Ninety Five 96 Ninety 97 Ninety Seven 98 Ninety Eight

99 Ninety Nine 100 One Hundred

#### Complete the forward counting 1 to 100:



| ( ) ( 32 |  | 36 | 39 |  |
|----------|--|----|----|--|
| ) (32    |  |    |    |  |
|          |  |    |    |  |



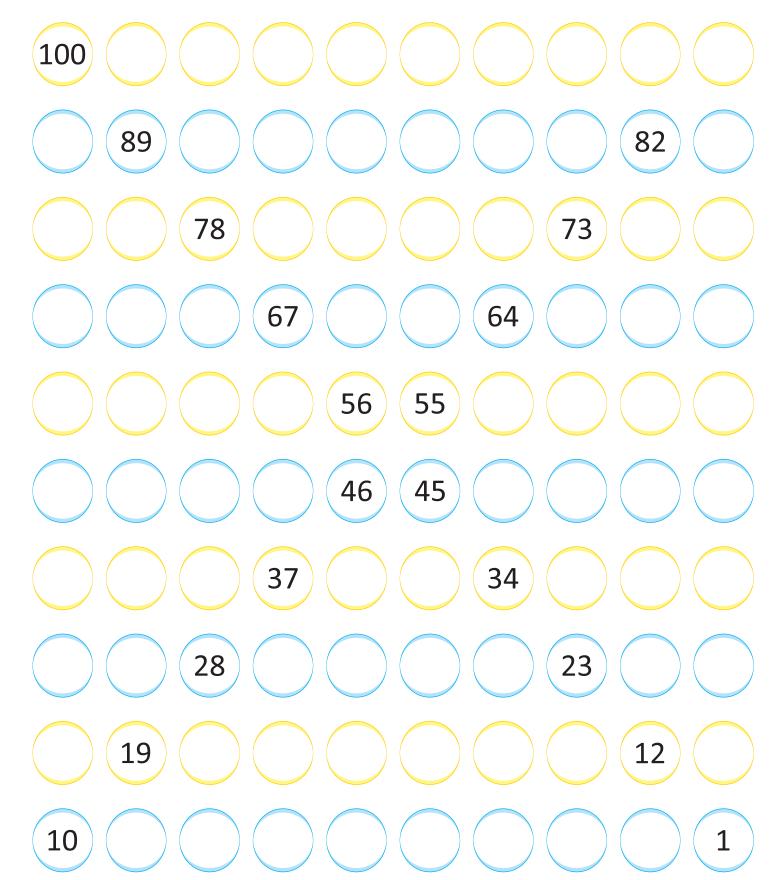
17



# Backward Counting (100 to 1)

| 100 | 99 | 98 | 97 | 96 | 95 | 94 | 93 | 92 | 91 |
|-----|----|----|----|----|----|----|----|----|----|
| 90  | 89 | 88 | 87 | 86 | 85 | 84 | 83 | 82 | 81 |
| 80  | 79 | 78 | 77 | 76 | 75 | 74 | 73 | 72 | 71 |
| 70  | 69 | 68 | 67 | 66 | 65 | 64 | 63 | 62 | 61 |
| 60  | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 |
| 50  | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 | 41 |
| 40  | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 |
| 30  | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 |
| 20  | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 |
| 10  | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  |

#### Fill in the missing backward numbers:





#### Write the number names.

59

94

85

72

34

57

47

62

68

89

#### Write the numbers for the following number names.

Eighty Two =

Seventy Nine =

Ninety Five =

Eighty Seven =

Fifty Four =

Ninety Nine =

Hundred =

Sixty Seven =

Seventy Seven =

Fifty Eight =

Sixty Two =

Sixty Three =



## Before, After, In Between

Use the number strip:

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10  | 11  | 12 | 13 | 14 | 15  | 16 | 17 | 18   | 19  | 20 |
|---|---|---|---|---|---|---|---|---|---|-----|-----|----|----|----|-----|----|----|------|-----|----|
|   |   |   |   |   |   |   |   |   |   | Bef | ore |    |    | Af | ter |    | Ве | etwe | een |    |

#### Write the numbers that comes before:

| 10 11 | 19 | 18 | 14 |
|-------|----|----|----|
| 17    | 20 | 16 | 12 |

#### Write the numbers that comes after:

| 10 | 11 | 17 | 13 | 19 |  |
|----|----|----|----|----|--|
| 12 |    | 18 | 15 | 16 |  |

#### Write the numbers that comes between:

| 17 | 18 | 19 | 18 | 20 | 12 | 1  |
|----|----|----|----|----|----|----|
| 16 |    | 18 | 15 | 17 | 13 | 1. |

For Teacher: If the students are familiar with their roll numbers, those can be used to reinforce the concept. Call out a roll number and ask the students before that number to stand up or ask for the student after the number. Discuss roll numbers from 1-20 only.



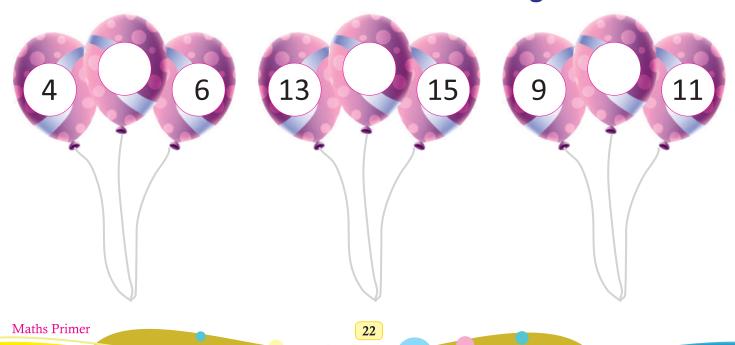
#### Write the number that comes after the given numbers:



#### Write the number that comes before the given numbers:



#### Write the numbers that comes between the given numbers:





# Comparing the Number

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Use the number strip to compare the two numbers in each group. Circle (O) the bigger number.

| 9  | 12 | 10 | 17 |
|----|----|----|----|
| 14 | 19 | 15 | 18 |
| 11 | 18 | 7  | 13 |
| 13 | 15 | 16 | 10 |
| 10 | 20 | 6  | 5  |
| 12 | 19 | 17 | 07 |

The number that is farther away from zero is the greater number.



Use the number strip to compare the two numbers in each group. Ring the smaller number.

| 8  | 13 | 16 | 9  |
|----|----|----|----|
| 13 | 3  | 10 | 16 |
| 18 | 11 | 15 | 17 |
| 14 | 20 | 19 | 12 |
| 18 | 17 | 16 | 10 |
|    |    |    |    |

The number that nearer to away from zero is the smaller number.





# Comparison of Number

#### **Greater Than**









These are 3 snails.



These are 5 snails.

Now, we compare:















1 snail is left.

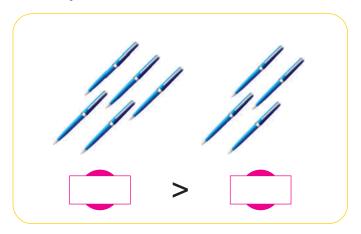
Or, 4 snails are more than 3 snails.

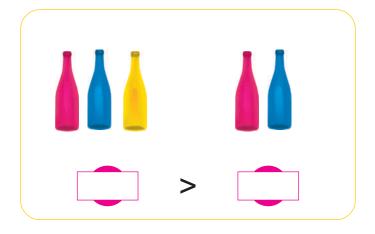
Or, 4 is greater than 3.

We write it as : 4 > 3.

The sign '>' means is greater than.

Greater number is placed towards the open mouth. Compare and write the numbers in the box.





#### **Less Than**



These are 5 bats.

Now, we compare:



These are 6 bats.







1 bat is left.

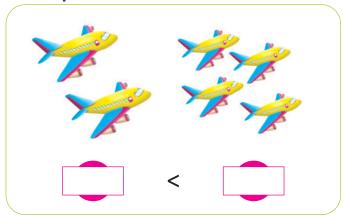
Or, 5 bats are less than 6 bats.

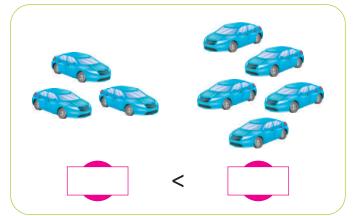
Or, 5 is less than 6.

We write it as: 5 < 6.

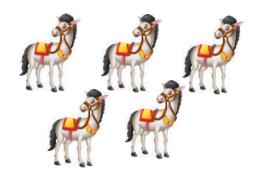
The sign '<' means is less than.

Smaller number is placed towards the closed side. Compare and write the numbers in the box.





#### **Equal to**



These are 5 horses. Now, we compare:



These are 5 horses.





No, horse is left out.

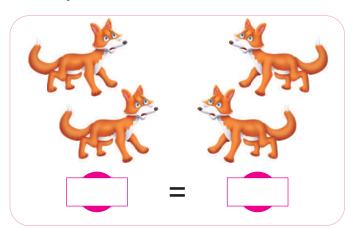
Or, 5 horses are equal to 5 horses.

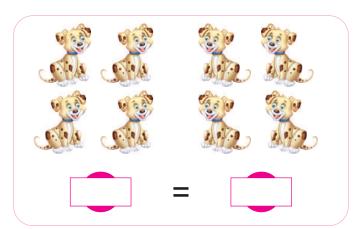
Or, 5 is equal to 5.

We write it as: 5 = 5.

The sign '=' means is equal to.

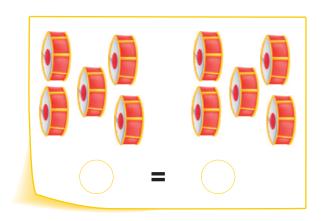
#### Compare and write the numbers:



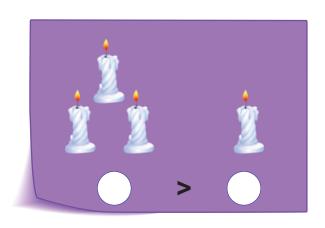


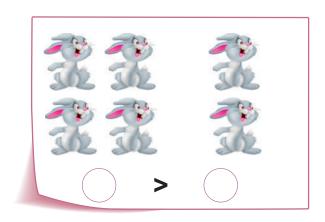


#### **Count and write the numbers:**

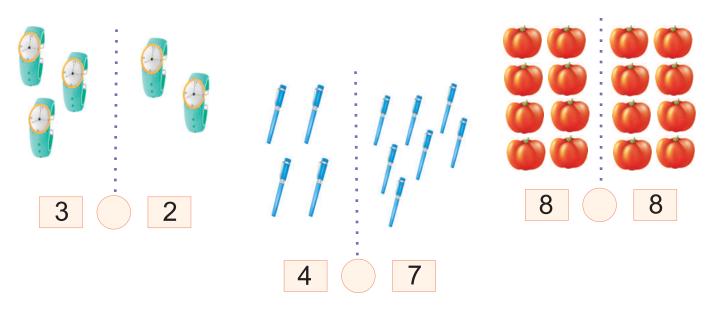








#### Count and write >, < or = :

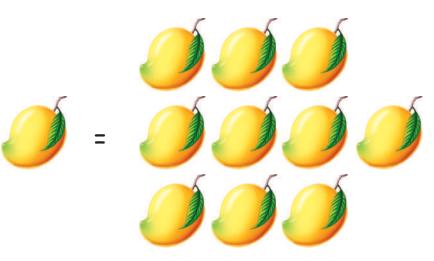


27



### Ones and Tens





9 or 9 ones + 1 or 1 one = 10 or 1 ten or 10 ones

Thus, 9 and 1 more makes 10. We can say it that 10 ones or 1 ten.

Thus, the number 10 has two digits. 1 is called the ten's digit.

#### **Observe and understand:**

11 (eleven) 1 ten, 1 one

22 (twenty two) 2 tens, 2

ones

33 (thirty three) 3 tens, 3

ones

44 (forty four) 4 tens, 4

ones

55 (fifty five) 5 tens, 5

ones

66 (sixty six) 6 tens, 6





## Sort Out Tens and Ones

#### Fill up as mentioned:

|    | Numbers       | Tens | Ones |
|----|---------------|------|------|
| 11 | Eleven        | 1    | 1    |
| 18 | Eighteen      |      |      |
| 21 | Twenty one    |      |      |
| 36 | Thirty six    |      |      |
| 55 | Fifty five    |      |      |
| 29 | Twenty nine   |      |      |
| 42 | Forty two     |      |      |
| 78 | Seventy eight |      |      |
| 40 | Forty         |      |      |
| 83 | Eighty three  |      |      |
| 35 | Thirty five   |      |      |
| 77 | Seventy seven |      |      |
| 44 | Forty four    |      |      |



## **Ascending And Descending Order**

#### Look at the picture:

**Ascending Order** 

**13** 

**12** 





We see that the number increases as we go up the stairs. So, we may say that the numbers are in Ascending Order.

We see that the number decreases as we go down the stairs. So, we may say that the numbers are in

Descending Order.

#### Fill in the numbers in ascending order:

25 32

76 71

#### Fill in the numbers in descending order:

80 73

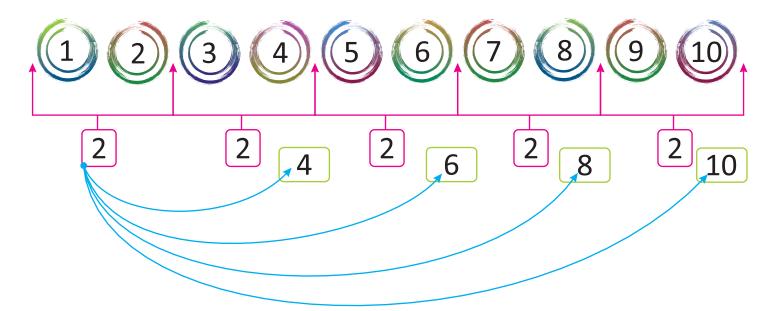
55 47



## **Skip Counting**

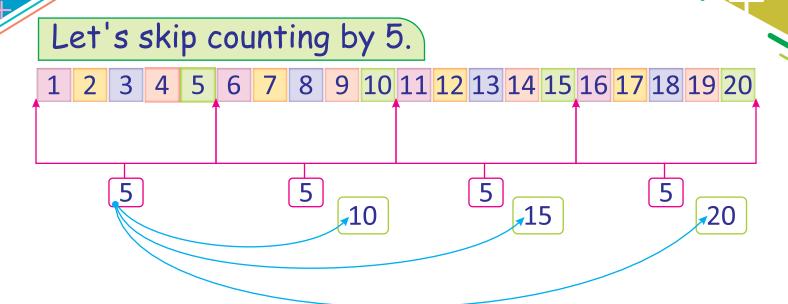
Skip counting means to count a number that is not 1. It helps to count many things quickly.

#### Let's skip counting by 2.

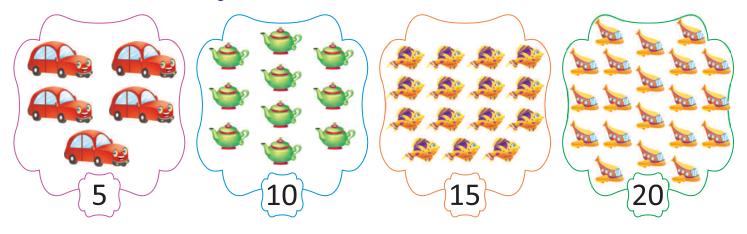


#### Count the fingers and read the numbers.

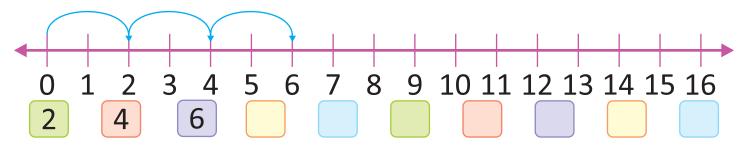




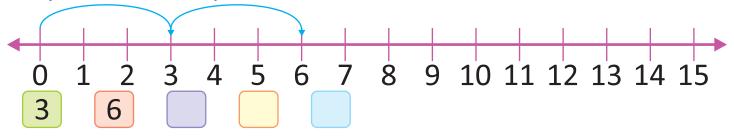
#### Count the objects and read the numbers.



#### Skip and count by 2.



#### Skip and count by 3.





### **Addition of Numbers**

1 bird is sitting on the tree.2 birds are coming to sit on the same tree.

How many birds will be sitting on a tree?

1 and 2 more is equal to 3.

That is: + ==



6 cupcakes are in the tray.
If 1 more cupcakes is about to put in the tray.

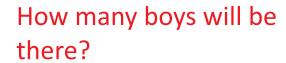
How many cupcakes will be there in all?

6 and 1 more is equal to 7.

That is: + = =

2 boys are playing in the garden.

1 boy is coming to play with them.



2 and 1 more is equal to 3.

That is : = = =



3 cookies are in jar. 2 cookies are outside.

How many cookies will be there in all?

3 and 2 more is equal to 5.

That is:



+





10 fish are in the big aquarium.
1 fish is in jar.

How many fish are there in all?

10 and 1 more is equal to 11.

That is:



+





Swati has 1 pen. Rajan gave her 1 more pen.

How many pens will be there in all?

1 and 1 more is equal to 2.

That is:



+

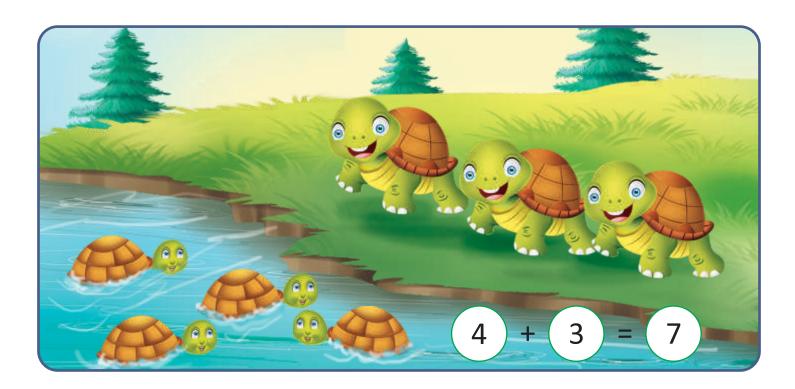




Riya has two dolls and her friend Tina has three dolls. How many dolls does they have in all to play?



Four turtles are playing in the pond. Three more turtles join them. How many turtles are there in all?



Ritu has 5 sticks. Her friend gave her 2 sticks more. How many sticks does Ritu have in all?



There are 2 monkeys on a tree 2 more monkeys join-them. How many monkeys are there in altogether?



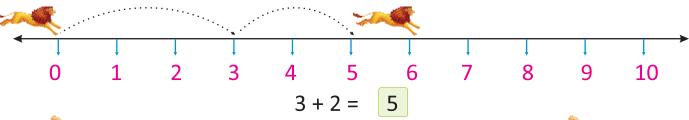
Mary has 3 cats and 3 dogs. How many pets does she have in all?

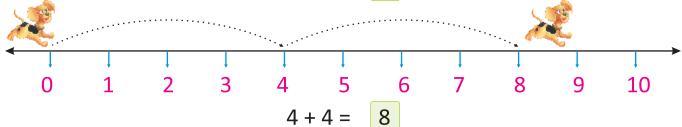




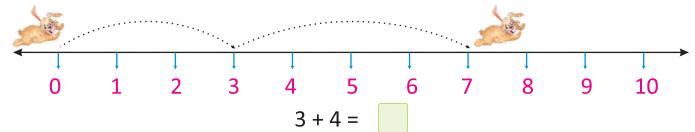
## Addition on Number Line

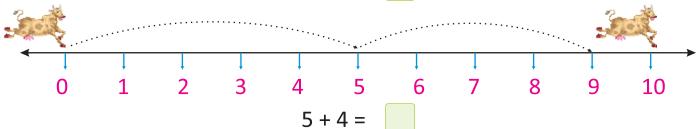
#### Look and understand:

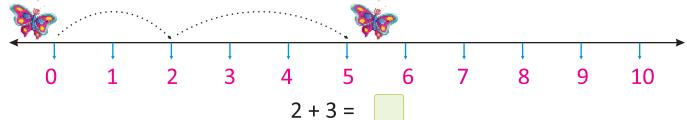


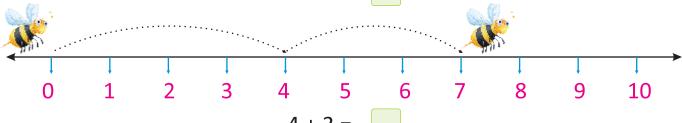


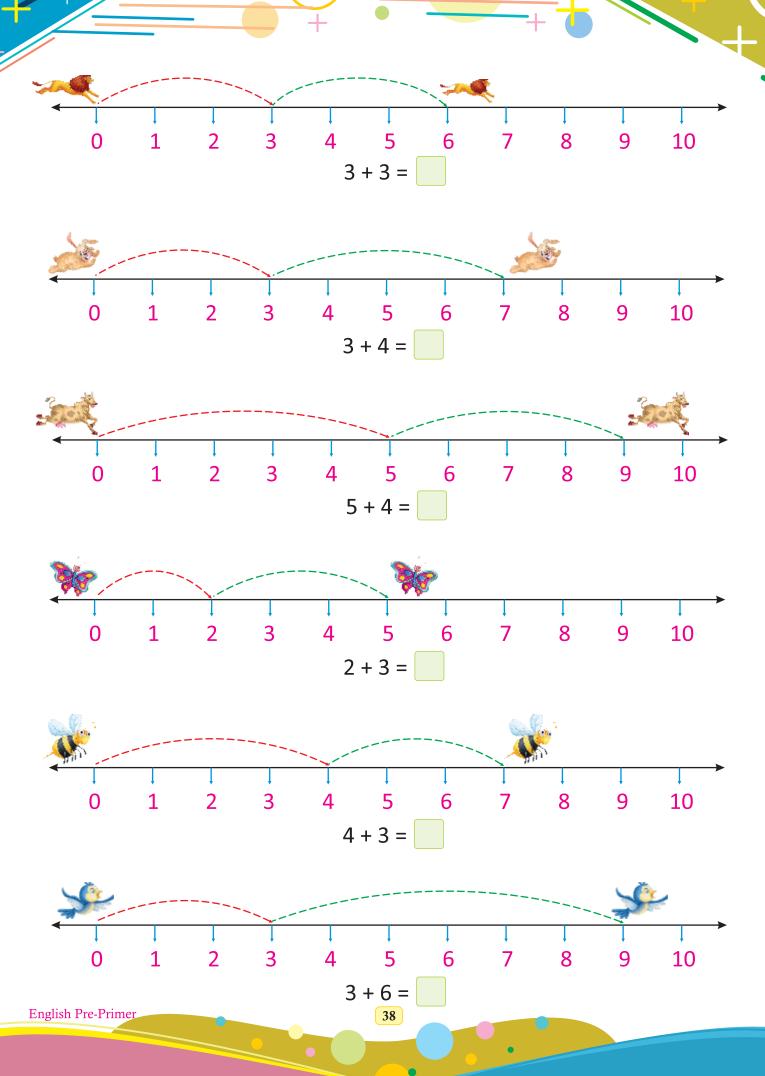
#### Fill in the blanks:













#### **Addition using Number Line:**

a. 
$$(0-1-2-3-4-5-6-7-8-9-10)$$

b. 
$$\leftarrow 0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 \rightarrow 5 + 2 =$$

c. 
$$(0-1-2-3-4-5-6-7-8-9-10)$$

d. 
$$(0-1-2-3-4-5-6-7-8-9-10)$$
 $8+1=$ 

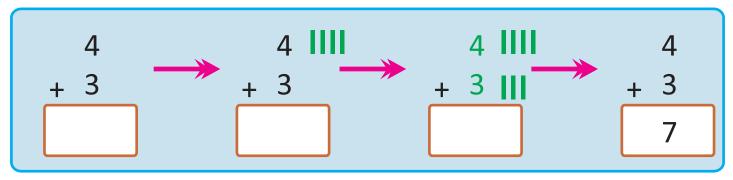
e. 
$$(0-1-2-3-4-5-6-7-8-9-10)$$

39



## **Addition by Column**

#### Add 4 and 3



Draw lines according to the given numbers and find the sum.

Draw lines according to the given numbers and find the sum.

5

+ 5

7

+ 1

2

+ 5

4

+ 5

6

+ 3

9

+ 1

3

+ 5

2

+ 7

7

+ 3

8

+ 1

5

+ 1

2

+ 4



## **Addition (Two-digit numbers)**

Add: 25 and 43.

It is written as under:

|   | Tens | Ones |
|---|------|------|
|   | 2    | 5    |
| + | 4    | 3    |
|   | 6    | 8    |

First add ones

////

Then add tens



#### Add the following two-digits numbers:

|   | Tens | Ones |
|---|------|------|
|   | 2    | 5    |
| + | 2    | 2    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 2    | 6    |
| + | 7    | 1    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 3    | 6    |
| + | 3    | 3    |
|   |      |      |

#### Add the following two digits numbers:

|   | Tens | Ones |
|---|------|------|
|   | 3    | 6    |
| + | 3    | 3    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 5    | 6    |
| + | 2    | 2    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 6    | 1    |
| + | 2    | 3    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 5    | 7    |
| + | 4    | 2    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 1    | 4    |
| + | 7    | 5    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 5    | 4    |
| + | 1    | 4    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 2    | 8    |
| + | 6    | 1    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 2    | 1    |
| + | 6    | 7    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 4    | 5    |
| + | 2    | 4    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 3    | 4    |
| + | 2    | 4    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 8    | 1    |
| + | 1    | 8    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 6    | 2    |
| + | 2    | 3    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 4    | 6    |
| + | 5    | 0    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 7    | 0    |
| + | 2    | 2    |
|   |      |      |



## Subtraction of Numbers

1 There are 6 birds in all.

4 birds are sitting on the tree.

2 birds are not.

So, how many birds are sitting?

$$6 - 2 = 4$$
.

6 minus 2 is equal to 4.

That is:



\_







There are 9 apples.
6 apples are in the basket.

So, how many apples are outside?

$$9 - 6 = 3$$
.

9 minus 6 is equal to 3.

That is:



\_ [





There are 3 boys in all.
2 boys are playing in the garden.
1 boy is not.

How many boys are playing?

$$3 - 1 = 2$$
.

3 minus 1 is equal to 2.

That is:



\_





There are 6 cookies in all. 2 cookies are outside.

So, how many cookies are there in jar.

$$6 - 2 = 4$$
.

6 minus 2 is equal to \_\_\_\_.

That is : = = =



There are 6 fish in all.
3 fish are in aquarium.

So, how many fish are in jar?

$$6 - 3 = 3$$

6 minus 3 is equal to \_\_\_\_.



\_



=



There all 2 pens in all.
Swati has 1 pen.

So, how many pens Rajan have?

$$2 - 1 = 1$$
.

2 minus 1 is equal to \_\_\_\_.



\_



=



#### Subtract the following numbers.

#### One is done for you.

3

- 2

1

5

- 3

6

- 4

9

- 5

2

- 1

7

- 4

8

**- 4** 

8

**-** 5

6

- 2

6

- 3

8

- 3

9

**- 4** 

7

- 3

5

- 4

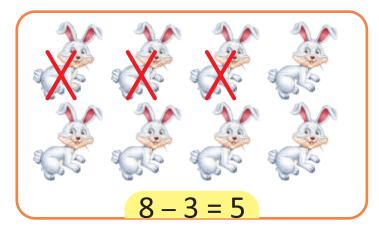
7

- 2

8

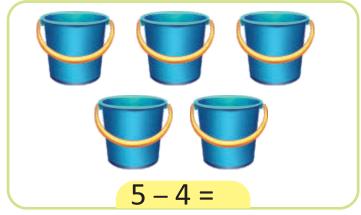
**-** 3

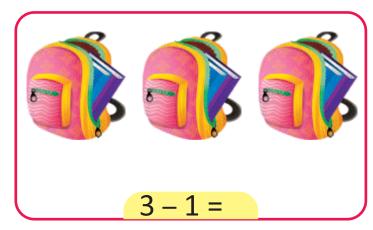
#### **Count, Cross and Write.**

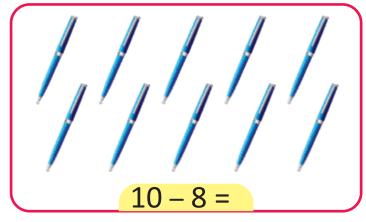


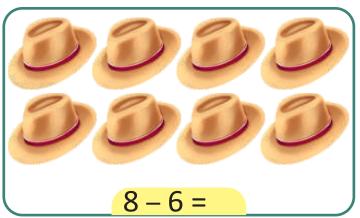


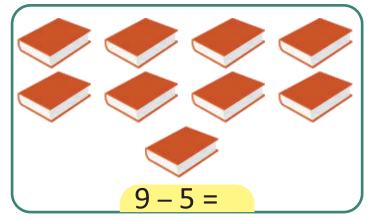








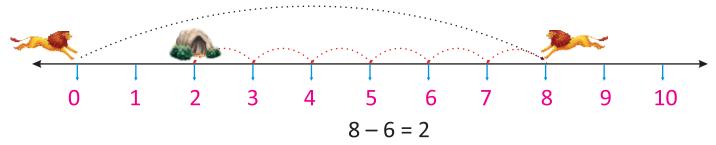






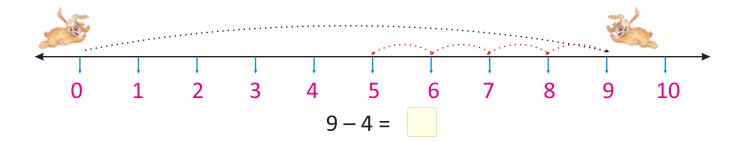
## Subtraction on Number Line

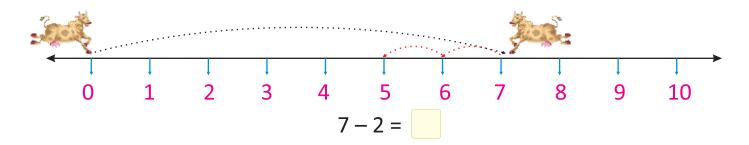
A lion stand on '0'. It goes to number '8' now he want go its den. Its den on number '2'.

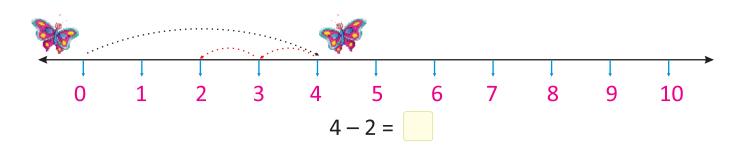


When you subtract, you always jump backwards on the number line. You go from right to left (\_\_\_) on the line.

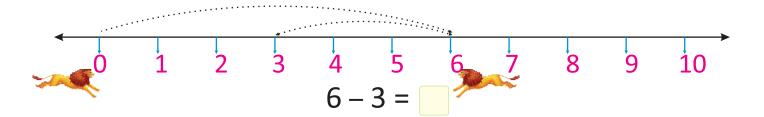
#### Fill in the blanks.

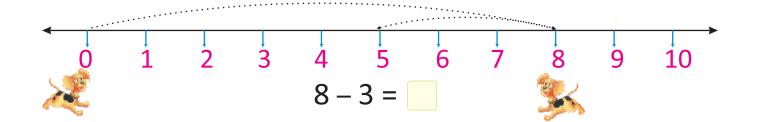


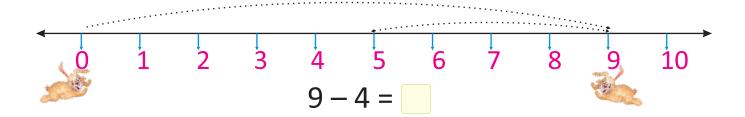


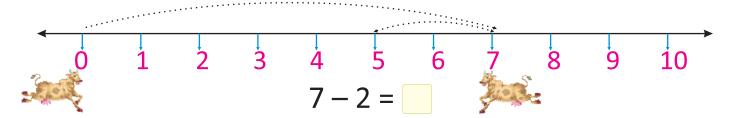


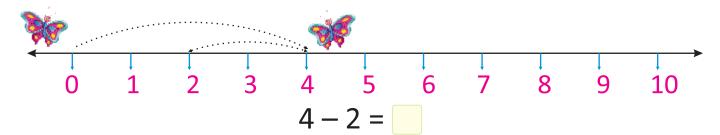
#### Fill in the blanks:

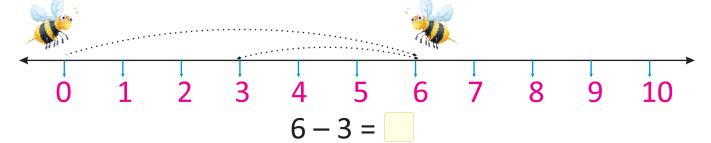






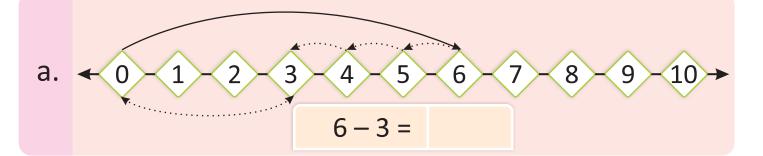




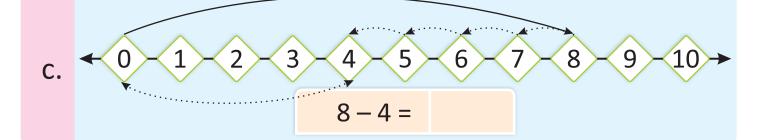




### Subtraction using Number Line



b. 
$$0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10$$



d. 
$$0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10$$
  $9 - 8 =$ 

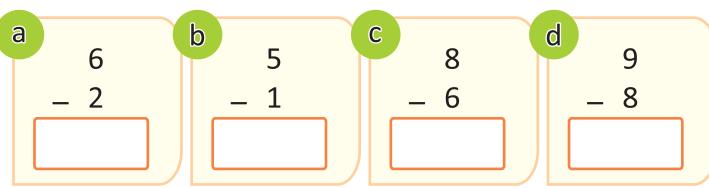
e. 
$$4-4=$$

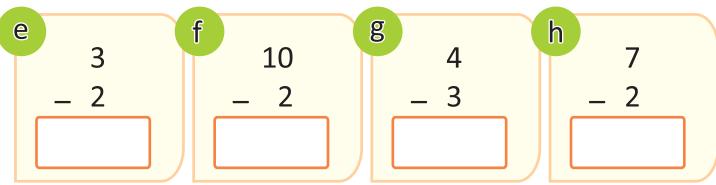


## **Subtraction Column**

Consider the problem 5 - 3 = ?

Draw lines according to the given numbers and find the difference.





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# Subtraction of Two - Digit Number

Subtract: 33 from 57. It is written as under:

|   | Tens | Ones |
|---|------|------|
|   | 5    | 7    |
| _ | 3    | 3    |
|   | 2    | 4    |

First subtract Ones

$$\boxed{7}-\boxed{3}=\boxed{4}$$

////#

$$(5) - (3) = (2)$$

//#/

So, 
$$(57) - (33) = (24)$$



Subtract the following two-digits numbers :

|   | Tens | Ones |
|---|------|------|
|   | 5    | 7    |
| _ | 1    | 1    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 5    | 8    |
| _ | 3    | 2    |
|   |      |      |

|   | Tens | Ones |
|---|------|------|
|   | 4    | 3    |
| _ | 2    | 2    |
|   |      |      |

#### Subtract the following two-digits numbers:

#### Tens Ones

#### Subtract the following two-digits numbers:

9 7

5 5

#### Tens Ones

5 9

2 8

|--|

8 8

**-** 5 0

#### Tens Ones

8 4

6 1

#### Tens Ones

8 9

6 2

#### Tens Ones

9 0

4 0

#### Tens Ones

8 6

5 1

#### Tens Ones

9 6

2 4

#### Tens Ones

9 7

6 5

#### Tens Ones

7 1

2 0

#### Tens Ones

8 4

5 1

5 6

1 2

#### Tens Ones

9 2

5 0

#### Tens Ones

9 | 6

9 0

4 5

#### Tens Ones

8 8

4 5

#### **Tens Ones**

6 4

2 3

#### Tens Ones

9 7

7 6

#### Tens Ones

9 7

3 2

#### Tens Ones

9 | 5

2 5

#### Tens Ones

8 8

4 5



## Multiplication of

#### Look and understand:







Number of groups of balloons = 3

The number of balloons in each group = 2

The total number of balloons are 2 + 2 + 2 = 6

Thus, 2 taken 3 times make 6.

We can write this as,  $2 \times 3 = 6$ 

We say that 2 multiplied by 3 gives 6.

 $2 \times 3 = 6$  is a Multiplication Fact.

'x' is the sign of multiplication.

Now, look at this picture:

The number of flowers of the plant = 4

The number of petals on each flower = 6

The total number of petals are

$$6+6+6+6=24$$

Thus, 6 taken 4 times make 24.

We write this as,  $6 \times 4 = 24$ 

We say that 6 multiplied by 4 gives 24.

 $6 \times 4 = 24$  is a Multiplication Fact.

So, we can say that multiplication is a process of repeated addition.





#### Fill in the blanks with appropriate number:





Number of groups of apples =
Number of apples in each group =
Total number of apples =
Multiplication Fact =

Number of groups of flowers =

Number of flowers in a group =

Total number of flowers =

Multiplication Fact



## Show the following in the form of a repeated addition and multiplication:

























6









Now, look at the pictures below and fill in the boxes:



3 groups of 3 = flowers

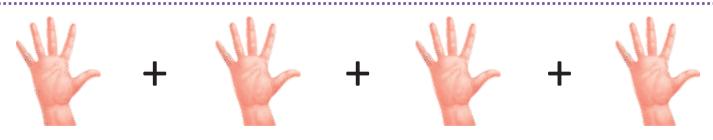
3 three's are 9 or 3 times 3 is equal to 9.



3 groups of 4 glasses =

$$4 + 4 + 4 = or 3 x 4 =$$

4 three 's are or 3 times 4 is equal to



4 groups of 5 fingers =

$$5+5+5+5=$$
 or  $4x5=$ 

5 four's are or 4 times 5 is equal to



## **Tables**

#### **Two Times Table (x2)**

|   | We | writ | e it | as | We read it as            |   | Fill | in th | ne bo | xes |
|---|----|------|------|----|--------------------------|---|------|-------|-------|-----|
| 2 | X  | 1    | =    | 2  | Two ones are two.        | 2 | Χ    | 1     | =     |     |
| 2 | Х  | 2    | =    | 4  | Two twos are four.       | 2 | X    | 2     | =     |     |
| 2 | Х  | 3    | =    | 6  | Two threes are six.      | 2 | X    | 3     | =     |     |
| 2 | Х  | 4    | =    | 8  | Two fours are eight.     | 2 | X    | 4     | =     |     |
| 2 | Х  | 5    | =    | 10 | Two fives are ten.       | 2 | X    | 5     | =     |     |
| 2 | Х  | 6    | =    | 12 | Two sixes are twelve.    | 2 | X    | 6     | =     |     |
| 2 | Х  | 7    | =    | 14 | Two sevens are fourteen. | 2 | X    | 7     | =     |     |
| 2 | Х  | 8    | =    | 16 | Two eights are sixteen.  | 2 | X    | 8     | =     |     |
| 2 | Х  | 9    | =    | 18 | Two nines are eighteen.  | 2 | X    | 9     | =     |     |
| 2 | Х  | 10   | =    | 20 | Two tens are twenty.     | 2 | X    | 10    | =     |     |

#### Three Times Table (x3)

|   | We write it as |    | e write it as We read it as |    |                               | Fill | in th | e bo | xes |  |
|---|----------------|----|-----------------------------|----|-------------------------------|------|-------|------|-----|--|
| 3 | X              | 1  | =                           | 3  | Three ones are three.         | 3    | Х     | 1    | =   |  |
| 3 | Х              | 2  | =                           | 6  | Three twos are six.           | 3    | Х     | 2    | =   |  |
| 3 | Х              | 3  | =                           | 9  | Three threes are nine.        | 3    | Х     | 3    | =   |  |
| 3 | Х              | 4  | =                           | 12 | Three fours are twelve.       | 3    | Х     | 4    | =   |  |
| 3 | X              | 5  | =                           | 15 | Three fives are fifteen.      | 3    | Х     | 5    | =   |  |
| 3 | Х              | 6  | =                           | 18 | Three sixes are eighteen.     | 3    | Х     | 6    | =   |  |
| 3 | Х              | 7  | =                           | 21 | Three sevens are twenty one.  | 3    | Х     | 7    | =   |  |
| 3 | Х              | 8  | =                           | 24 | Three eights are twenty four. | 3    | X     | 8    | =   |  |
| 3 | Х              | 9  | =                           | 27 | Three nines are twenty seven. | 3    | Х     | 9    | =   |  |
| 3 | Х              | 10 | =                           | 30 | Three tens are thirty.        | 3    | X     | 10   | =   |  |

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#### Four Times Table (x4)

|   | We write it as |    |   | t as | We read it as                 |   |   | Fill in the box |   |  |  |
|---|----------------|----|---|------|-------------------------------|---|---|-----------------|---|--|--|
| 4 | X              | 1  | = | 4    | Four ones are four.           | 4 | X | 1               | = |  |  |
| 4 | X              | 2  | = | 8    | Four twos are eight.          | 4 | X | 2               | = |  |  |
| 4 | X              | 3  | = | 12   | Four threes are twelve.       | 4 | X | 3               | = |  |  |
| 4 | X              | 4  | = | 16   | Four fours are sixteen.       | 4 | X | 4               | = |  |  |
| 4 | X              | 5  | = | 20   | Four fives are twenty.        | 4 | X | 5               | = |  |  |
| 4 | ×              | 6  | = | 24   | Four sixes are twenty four.   | 4 | X | 6               | = |  |  |
| 4 | ×              | 7  | = | 28   | Four sevens are twenty eight. | 4 | X | 7               | = |  |  |
| 4 | X              | 8  | = | 32   | Four eights are thirty two.   | 4 | X | 8               | = |  |  |
| 4 | ×              | 9  | = | 36   | Four nines are thirty six.    | 4 | X | 9               | = |  |  |
| 4 | X              | 10 | = | 40   | Four tens are forty.          | 4 | X | 10              | = |  |  |

#### **Five Times Table (x5)**

| W   | We write it as |   | Ve write it as We read it as |                              | F | ill | in th | e b | oxes |
|-----|----------------|---|------------------------------|------------------------------|---|-----|-------|-----|------|
| 5 x | 1              | = | 5                            | Five ones are five.          | 5 | X   | 1     | =   |      |
| 5 x | 2              | = | 10                           | Five twos are ten.           | 5 | X   | 2     | =   |      |
| 5 x | 3              | = | 15                           | Five threes are fifteen.     | 5 | X   | 3     | =   |      |
| 5 x | 4              | = | 20                           | Five fours are twenty.       | 5 | X   | 4     | =   |      |
| 5 x | 5              | = | 25                           | Five fives are twenty five.  | 5 | X   | 5     | =   |      |
| 5 x | 6              | = | 30                           | Five sixes are thirty.       | 5 | X   | 6     | =   |      |
| 5 x | 7              | = | 35                           | Five sevens are thirty five. | 5 | X   | 7     | =   |      |
| 5 x | 8              | = | 40                           | Five eights are forty.       | 5 | X   | 8     | =   |      |
| 5 x | 9              | = | 45                           | Five nines are forty five.   | 5 | X   | 9     | =   |      |
| 5 x | 10             | = | 50                           | Five tens are fifty.         | 5 | X   | 10    | =   |      |

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| Table of 6         | Table of 7        | Table of 8        |
|--------------------|-------------------|-------------------|
| $6 \times 1 = 6$   | 7 x 1 = 7         | 8 x 1 = 8         |
| $6 \times 2 = 12$  | $7 \times 2 = 14$ | 8 x 2 = 16        |
| $6 \times 3 = 18$  | $7 \times 3 = 21$ | $8 \times 3 = 24$ |
| $6 \times 4 = 24$  | $7 \times 4 = 28$ | $8 \times 4 = 32$ |
| $6 \times 5 = 30$  | 7 x 5 = 35        | $8 \times 5 = 40$ |
| $6 \times 6 = 36$  | $7 \times 6 = 42$ | $8 \times 6 = 48$ |
| $6 \times 7 = 42$  | $7 \times 7 = 49$ | $8 \times 7 = 56$ |
| $6 \times 8 = 48$  | $7 \times 8 = 56$ | $8 \times 8 = 64$ |
| $6 \times 9 = 54$  | 7 x 9 = 63        | $8 \times 9 = 72$ |
| $6 \times 10 = 60$ | 7 x 10 = 70       | 8 x 10 = 80       |

| 1 | ab | le o | f 9 |    | Table of 10 |   |    |   |     |
|---|----|------|-----|----|-------------|---|----|---|-----|
| 9 | X  | 1    | =   | 9  | 10          | X | 1  | = | 10  |
| 9 | X  | 2    | =   | 18 | 10          | X | 2  | = | 20  |
| 9 | X  | 3    | =   | 27 | 10          | X | 3  | = | 30  |
| 9 | X  | 4    | =   | 36 | 10          | X | 4  | = | 40  |
| 9 | X  | 5    | =   | 45 | 10          | X | 5  | = | 50  |
| 9 | X  | 6    | =   | 54 | 10          | X | 6  | = | 60  |
| 9 | X  | 7    | =   | 63 | 10          | X | 7  | = | 70  |
| 9 | X  | 8    | =   | 72 | 10          | X | 8  | = | 80  |
| 9 | X  | 9    | =   | 81 | 10          | X | 9  | = | 90  |
| 9 | X  | 10   | =   | 90 | 10          | X | 10 | = | 100 |





# Multiplication (By Using Tables)

Multiply: 4x5

Solution: To multiply 4 by 5, we read the table 5 times 4.

5 ones = 5 5 twos = 10 5 threes = 15 5 fours = 20

So, we will write  $4 \times 5 = 20$ 

Using the multiplication tables and write the answer:

| 5        | 3        | 4        | 6                        |
|----------|----------|----------|--------------------------|
| x 4      | x 8      | x 5      | x 4                      |
| 7        | 7        | 4        | 6                        |
| x 6      | x 2      | x 3      | x 7                      |
| 3        | 4        | 6        | 7                        |
| x 5      | x 4      | x 2      | x 3                      |
| 7<br>x 4 | 3<br>x 8 | 8<br>x 8 | 6<br>x 8<br>Maths Primer |

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| 8          | 7        | 3        | 5                        |
|------------|----------|----------|--------------------------|
| x 9        | x 10     | x 9      | x 7                      |
| 8          | 9        | 6        | 10                       |
| x 7        | x 4      | x 6      | x 3                      |
| 7          | 2        | 2        | 3                        |
| x 7        | x 8      | x 2      | x 9                      |
| 4          | 5        | 6        | 8                        |
| x 1        | x 10     | x 1      | x 10                     |
| 10<br>x 10 | 9<br>x 9 | 3<br>x 3 | 6<br>x 1<br>Maths Primer |



### Division

Division means showing or making equal groups.

Division sign '÷' read as divided by.

**Equal Grouping** 

Division is dividing or sharing of something equally.

Example



8 apples can be divided into 2 groups of 4 apples each. It mean  $8 \div 4 = 2$ 

Here

**Dividend Divisor Quotient** 

#### Division by repeated subtraction.

$$1 \quad 10 - 2 - 2 - 2 - 2 - 2 = 0$$

Dividend is

10

Quotient is



3 
$$15-5-5-5=0$$

Divisor is



#### We divide 4 by 2

$$4 \div 2 = 2$$







$$\begin{array}{c}
3 \\
2 ) 6 \\
-6 \\
\hline
0
\end{array}$$
Ans = 3

$$\begin{array}{c}
 6 \\
 3 ) 18 \\
 -18 \\
 \hline
 0 \\
 Ans = 6
\end{array}$$

Divide the following numbers.

2) 8

5) 35

2) 20

7) 56

4) 20

9) 18

10) 90

3) 21

8) 64

5) 50

10) 100

2) 6

8) 72

4) 8

4) 32

7) 49

3) 15

9) 81

9) 63

7) 21

2) 12

6) 36

6) 54

3) 27

Divide the following numbers.

4) 16

8) 80

9) 36

7) 28

3) 9

10) 50

2) 16

3) 24

8) 80

9) 18

7) 35

3) 12

8) 16

4) 24

4) 40

8) 24

8) 48

9) 27

4) 28

6) 42

2) 18

6) 42

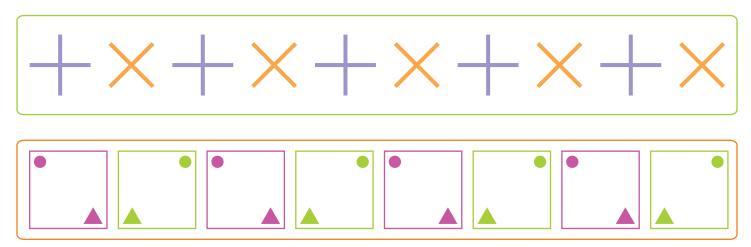
6) 60

3) 30



### **Patterns**

#### **Observe the given patterns:**





#### **Complete the given patterns:**







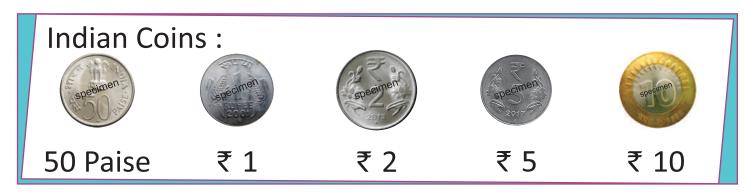


## Money

We need money to buy things. So, we use coins or notes.

#### **Indian Currency**

Indian currency are rupees and paise. The symbol of Indian rupee is "₹". Let's know your coins and notes:



#### **Indian Paper Currency:**



#### Write the price of the following objects:



₹



₹



₹



₹



₹



₹



₹



₹



₹



₹



₹



₹



#### Add the money





Maths Primer

## **Excercise**

#### Fill in the boxes:

Note: ₹ is new symbol for 'Rs' that is rupees.

#### Answer the following questions:

- 1. How many paise are there in 1 rupee?
- 2. How many 2 rupees notes do you get for a 10 rupees note?
- 3. How many 5 rupees notes do you get for a 10 rupees note?
- 4. How many 5 rupees notes do you get for a 20 rupees note?
- 5. How many 10 rupees notes do you get for a 50 rupees note?
- 6. How many 50 rupees notes do you get for a 100 rupees note?