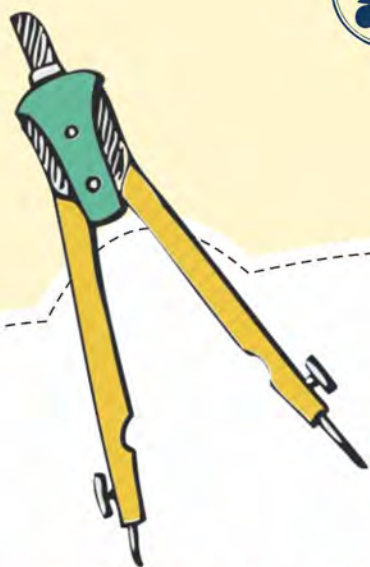




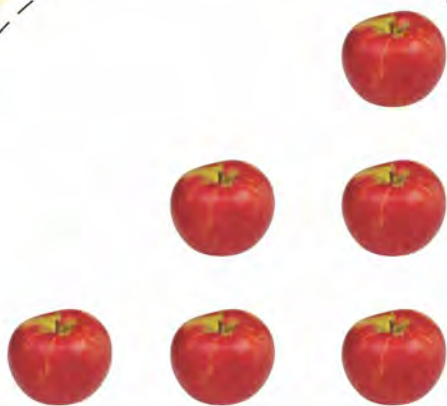
SPARK  
SCHOLARS  
SERIES



Starting with

# MATHEMATICS

Pre Primer



$$1 + 2 = 3$$



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# REVISION OF COUNTING

## Counting 1-10

1

One



2

Two



3

Three



4

Four



5

Five



6

Six



7

Seven



8

Eight



9

Nine



10

Ten



# Let's learn Numbers 1-100

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

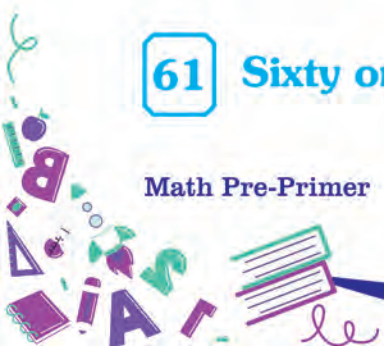


## Let's learn Number Names 1-100

|           |                 |                 |                 |
|-----------|-----------------|-----------------|-----------------|
| 1 One     | 13 Thirteen     | 25 Twenty five  | 37 Thirty seven |
| 2 Two     | 14 Fourteen     | 26 Twenty six   | 38 Thirty eight |
| 3 Three   | 15 Fifteen      | 27 Twenty seven | 39 Thirty nine  |
| 4 Four    | 16 Sixteen      | 28 Twenty eight | 40 Forty        |
| 5 Five    | 17 Seventeen    | 29 Twenty nine  | 41 Forty one    |
| 6 Six     | 18 Eighteen     | 30 Thirty       | 42 Forty two    |
| 7 Seven   | 19 Nineteen     | 31 Thirty one   | 43 Forty three  |
| 8 Eight   | 20 Twenty       | 32 Thirty two   | 44 Forty four   |
| 9 Nine    | 21 Twenty one   | 33 Thirty three | 45 Forty five   |
| 10 Ten    | 22 Twenty two   | 34 Thirty four  | 46 Forty six    |
| 11 Eleven | 23 Twenty three | 35 Thirty five  | 47 Forty seven  |
| 12 Twelve | 24 Twenty four  | 36 Thirty Six   | 48 Forty eight  |

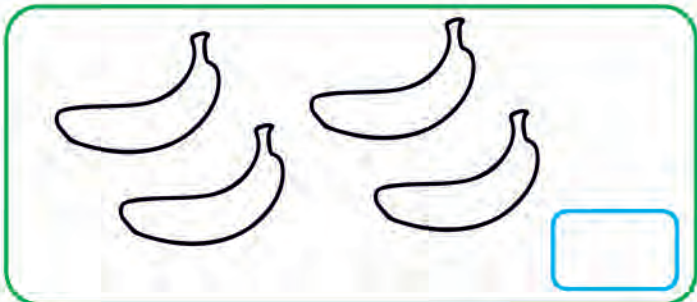
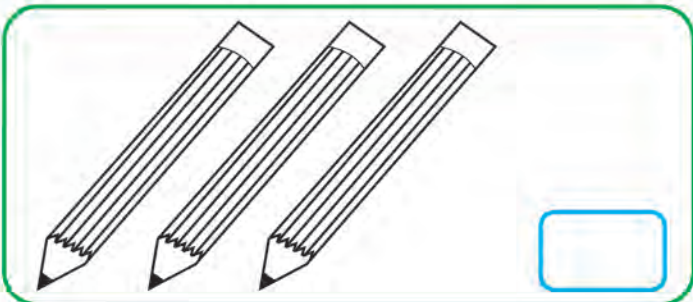
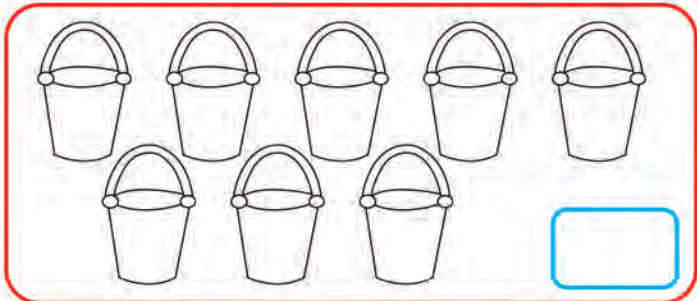
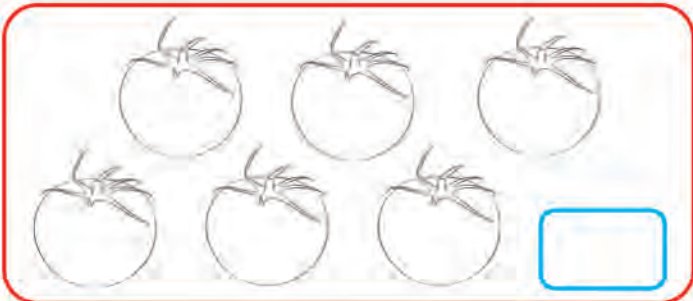
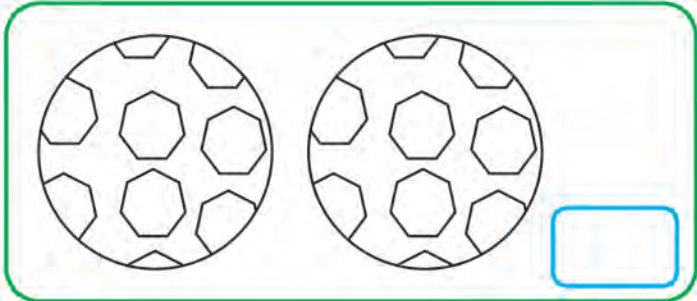
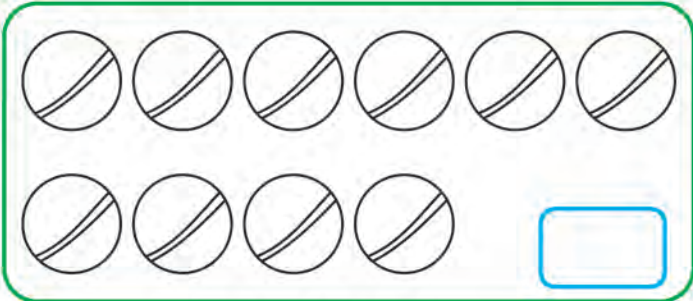
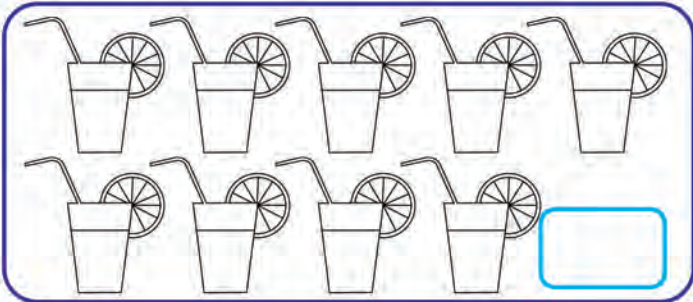
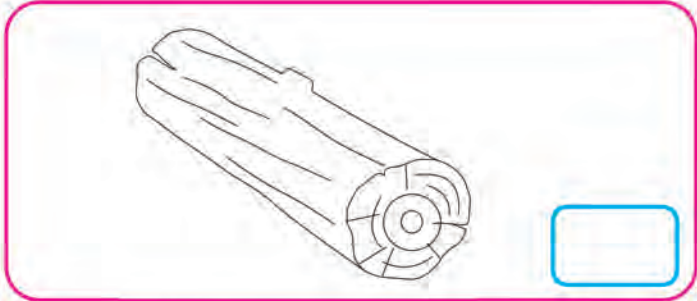
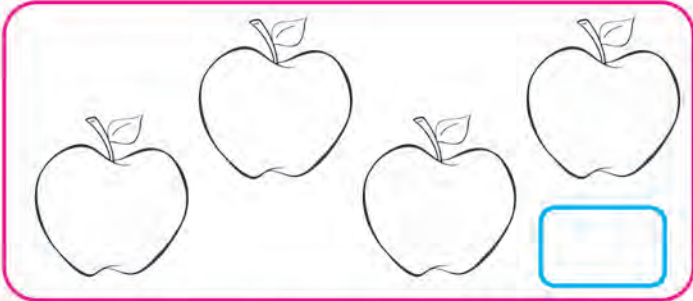


|    |             |    |               |    |               |     |              |
|----|-------------|----|---------------|----|---------------|-----|--------------|
| 49 | Forty nine  | 62 | Sixty two     | 75 | Seventy five  | 88  | Eighty eight |
| 50 | Fifty       | 63 | Sixty three   | 76 | Seventy six   | 89  | Eighty nine  |
| 51 | Fifty one   | 64 | Sixty four    | 77 | Seventy seven | 90  | Ninety       |
| 52 | Fifty two   | 65 | Sixty five    | 78 | Seventy eight | 91  | Ninety one   |
| 53 | Fifty three | 66 | Sixty six     | 79 | Seventy nine  | 92  | Ninety two   |
| 54 | Fifty four  | 67 | Sixty seven   | 80 | Eighty        | 93  | Ninety three |
| 55 | Fifty five  | 68 | Sixty eight   | 81 | Eighty one    | 94  | Ninety four  |
| 56 | Fifty six   | 69 | Sixty nine    | 82 | Eighty two    | 95  | Ninety five  |
| 57 | Fifty seven | 70 | Seventy       | 83 | Eighty three  | 96  | Ninety six   |
| 58 | Fifty eight | 71 | Seventy one   | 84 | Eighty four   | 97  | Ninety seven |
| 59 | Fifty nine  | 72 | Seventy two   | 85 | Eighty five   | 98  | Ninety eight |
| 60 | Sixty       | 73 | Seventy three | 86 | Eighty six    | 99  | Ninety nine  |
| 61 | Sixty one   | 74 | Seventy four  | 87 | Eighty seven  | 100 | Hundred      |





# Quiz and Colouring Time



# Worksheet

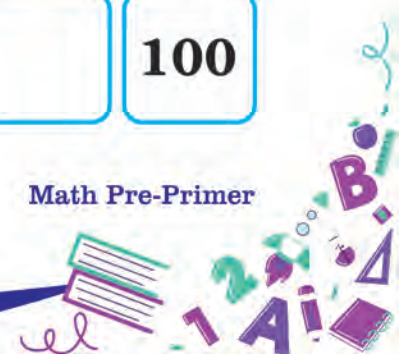
Write the missing numbers in the following sequences.





# Write the missing number

|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 1  |    | 3  |    |    | 6  |    |    |    | 10  |
| 11 |    |    |    |    |    | 17 |    |    | 20  |
|    |    | 23 |    | 25 | 26 |    |    | 29 |     |
| 31 |    |    |    | 35 |    |    | 38 |    |     |
|    | 42 |    |    |    | 46 |    |    |    | 50  |
| 51 |    |    |    |    |    | 57 |    |    |     |
|    |    | 63 |    |    |    |    | 68 |    |     |
|    | 72 |    | 74 |    |    | 77 |    |    |     |
| 81 |    |    |    | 85 |    |    |    | 89 |     |
|    | 92 |    |    | 95 |    |    | 98 |    | 100 |



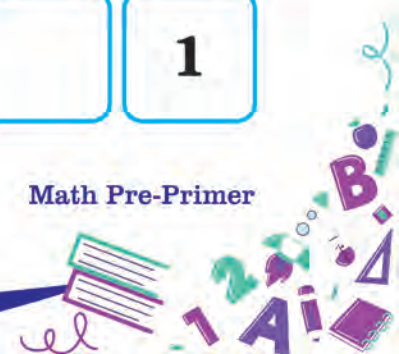
# Lets learn numbers 100-1

|     |    |    |    |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|----|----|----|
| 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  |



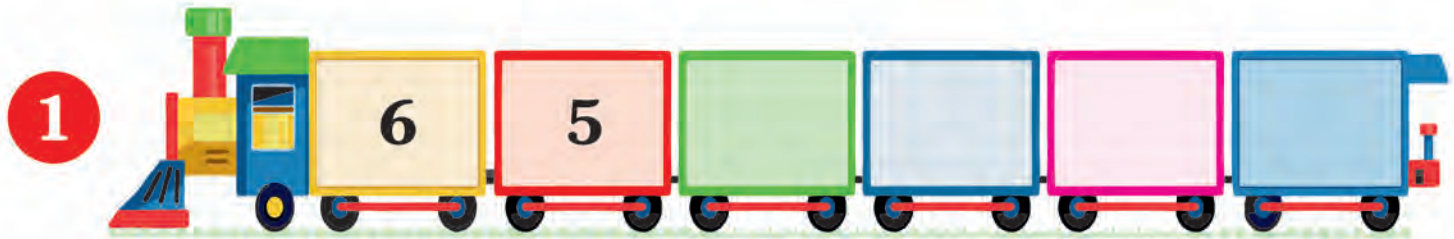
# Write the missing numbers

|     |    |    |    |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|----|----|----|
| 100 |    |    | 97 |    | 95 |    |    |    | 91 |
|     | 89 |    |    |    | 85 |    | 83 |    |    |
| 80  |    |    | 77 |    |    |    | 73 |    | 71 |
|     |    | 68 |    |    | 65 |    |    | 62 |    |
|     | 59 |    | 57 |    |    | 54 |    |    | 51 |
| 50  |    |    |    | 46 |    |    | 43 |    |    |
|     |    | 38 |    |    | 35 |    |    | 32 |    |
|     | 29 |    | 27 |    | 25 |    | 23 |    |    |
| 20  |    | 18 |    | 16 |    | 14 |    |    | 11 |
|     |    |    | 7  |    | 5  |    | 3  |    | 1  |



# Backward Counting

Fill in the missing numbers.



## Activity Time

Read the number name and tick (✓) the right number from the options given below.

Thirteen

13

17

14

Nineteen

19

18

15

Fifteen

20

15

19

Seventeen

13

17

18

Twelve

12

18

13

Fourteen

17

13

14

Eleven

18

11

12

Twenty

11

20

16

Sixteen

12

16

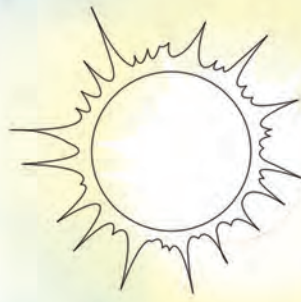
19

Eighteen

18

19

15



**TAKE A BREAK**

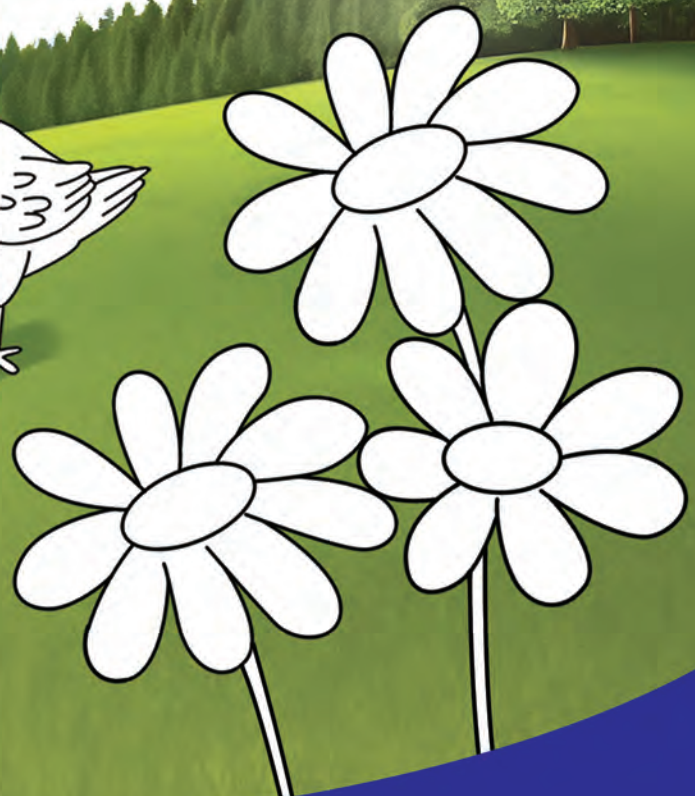
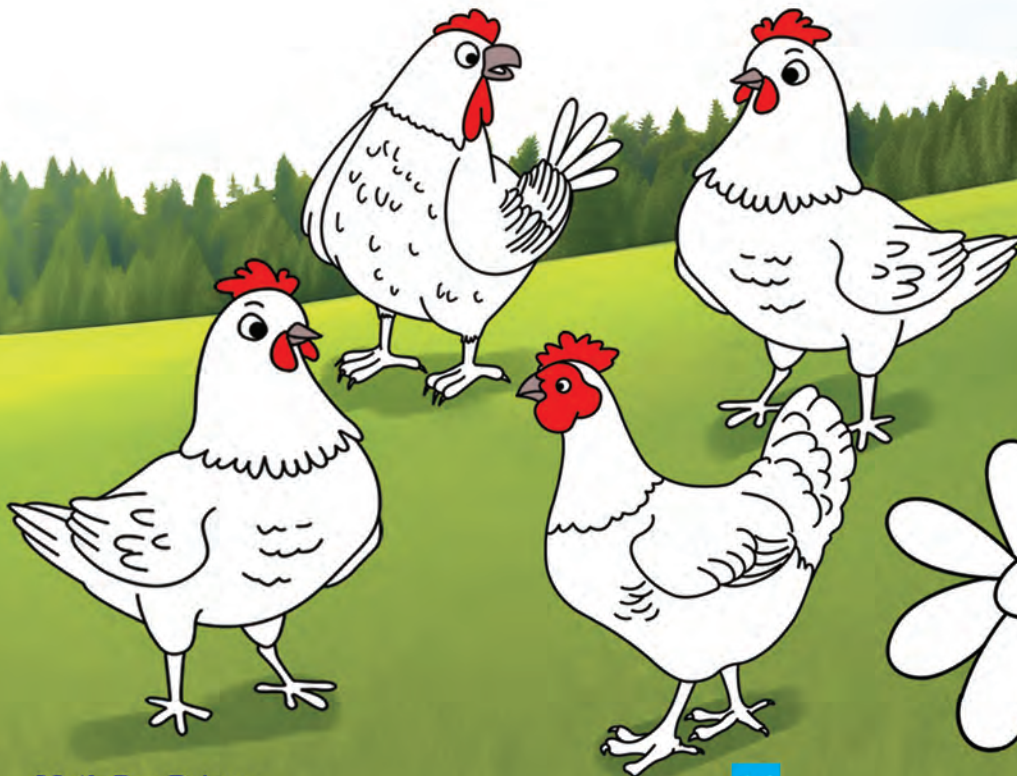
## Fun Time

**Colour the given picture as instructed.**

Count and colour **2** picture with yellow.

Count and colour **3** picture with orange.

Count and colour **4** picture with brown.





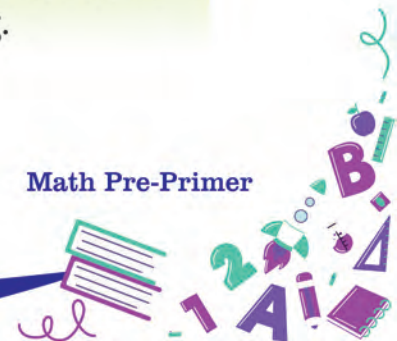
# SIZE: BIGGER AND SMALLER

Identify the small and big objects.



## Teacher's Desk

Explain the concept of 'size' to the children by showing things around them. Make use of words like Big and Small to provide practical learning.



# Worksheet

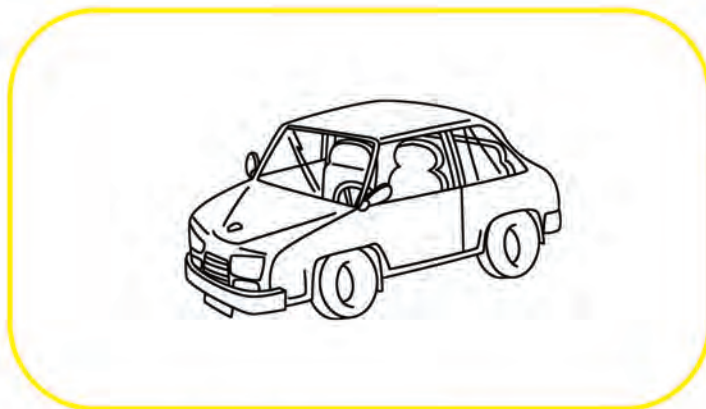
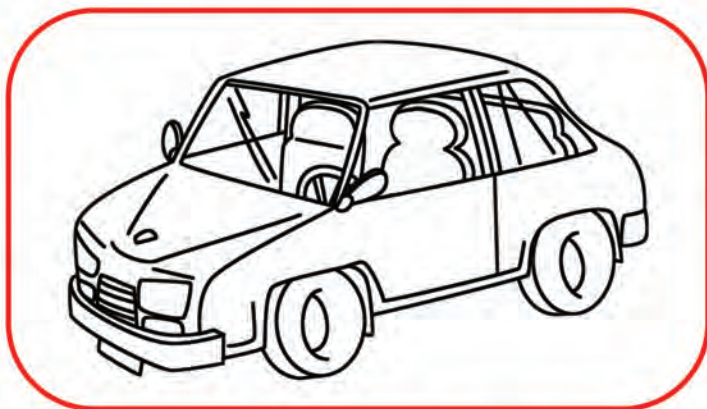
**Cross the bigger dog.**



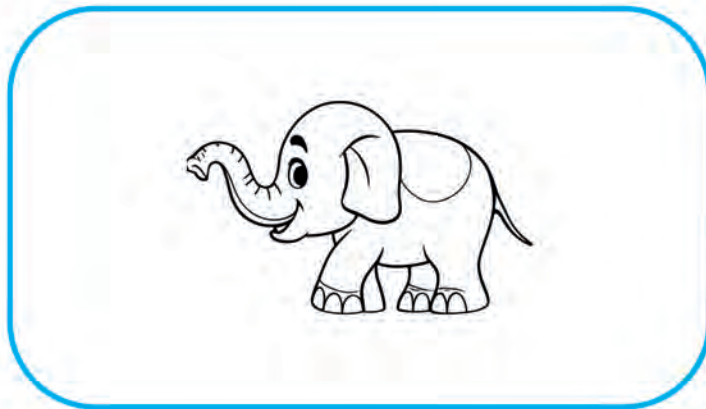
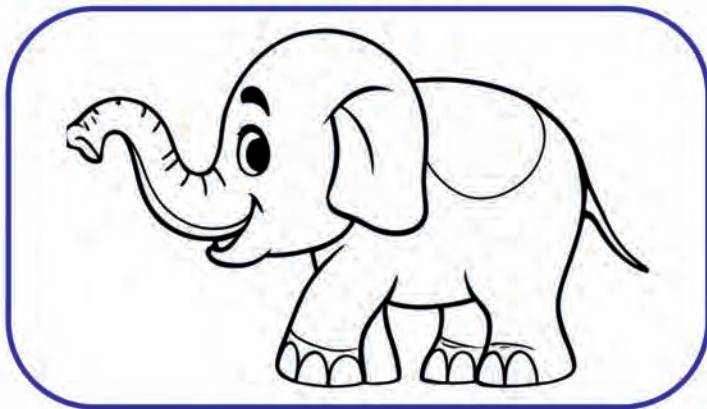
**Cross the smaller pencil.**



**Colour the big car blue and the small car purple.**



**Colour the big elephant red and the small elephant brown.**

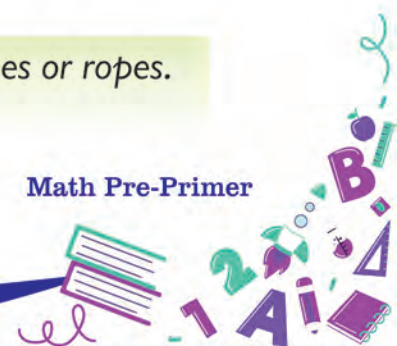




## Short Tail



17



# Worksheet

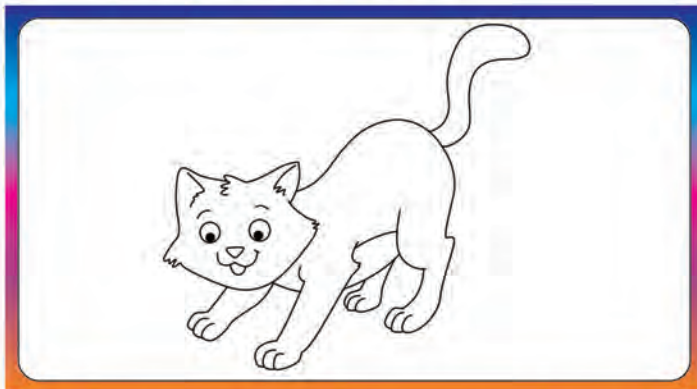
Tick (✓) the longer rope.



Tick (✓) the shorter pencil



Colour the animal with Longer Tail brown and shorter Tail pink .



Colour the longer hockey brown and the short hockey blue.





5

# HEIGHT : TALL AND SHORT



Taller

Shorter

## Kid's IQ

- Who amongst you and your friend is taller ?
- Can you find a short tree in the garden ?

## Teacher's Desk

Discuss with children the concept of height with practical examples.



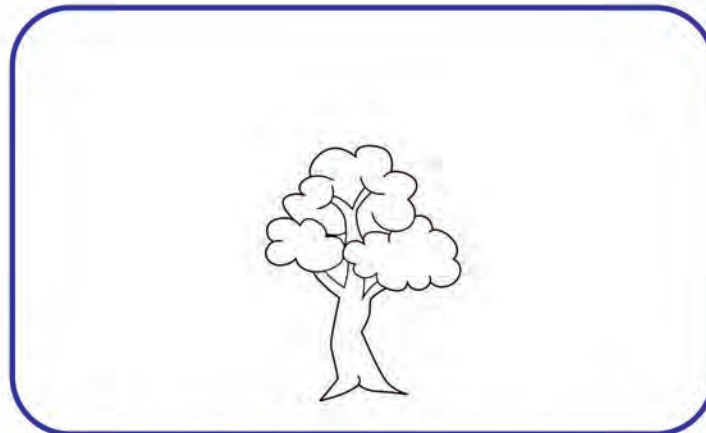
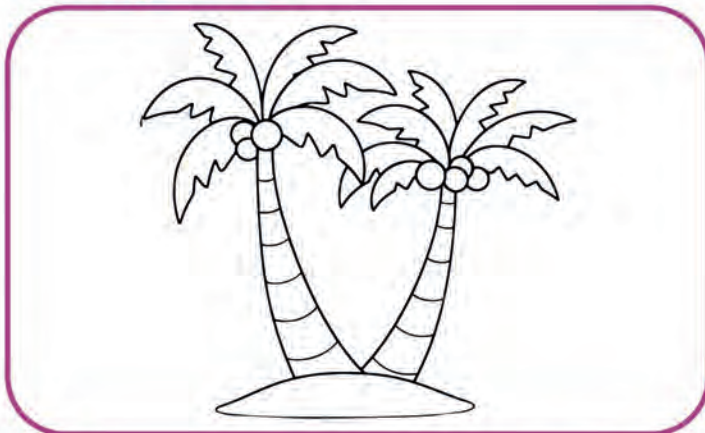
# Worksheet

Tick (✓) the taller girl.

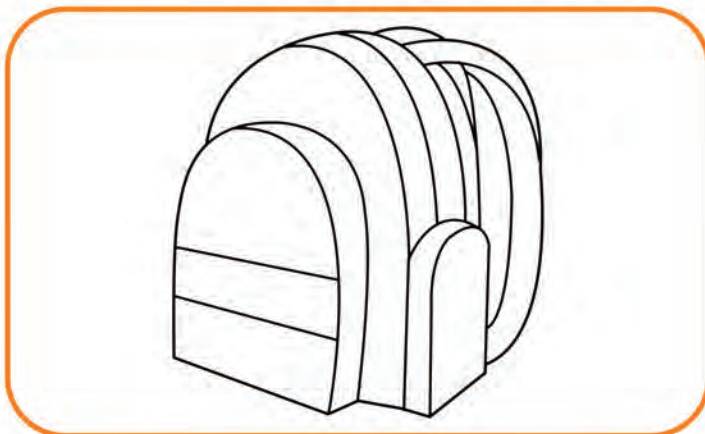
Tick (✓) the shorter animal.



Colour the tall tree green and the short one tree yellow.



Colour the tall bag red and short bag green.



6

# WEIGHT : HEAVY AND LIGHT



## Kid's IQ

- Which one is heavier, a book or a feather ?
- Can you lift a light box easily ?



Heavy



Light



Heavy



Heavy



Light



Light

## Teacher's Desk



Help the childrens to understand the difference between heavy and light by giving practical examples.

# Worksheet

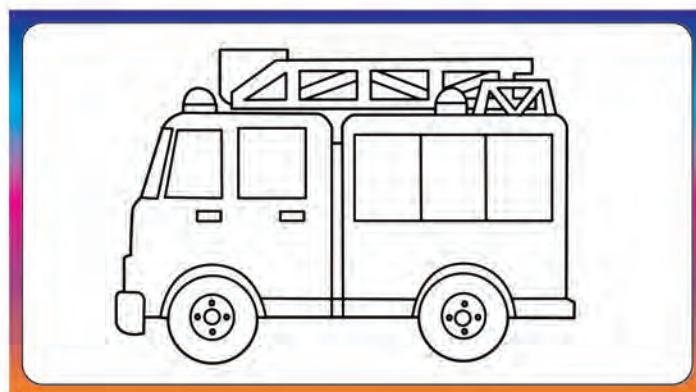
Tick (✓) the light object.



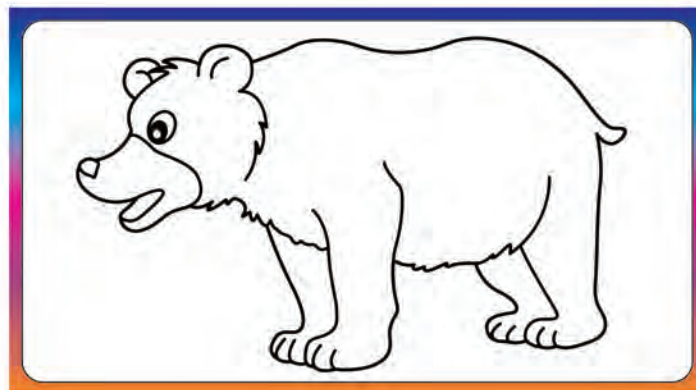
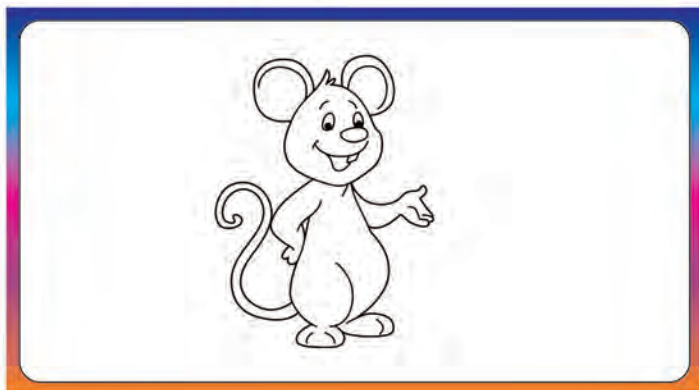
Tick (✓) the heavy object.



Colour the light object pink and heavy object green.



Colour the heavy Animal brown and light Animal grey.





# POSITION : TOP AND BOTTOM

Circle the objects at the Top.



Circle the objects at the Bottom.



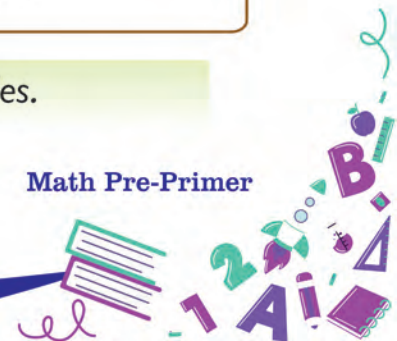
**Kid's IQ**

Where is the monkey sitting, on top or bottom of tree ?



**Teacher's Desk**

Clear the concept of top and bottom by giving some practical examples.



# Worksheet

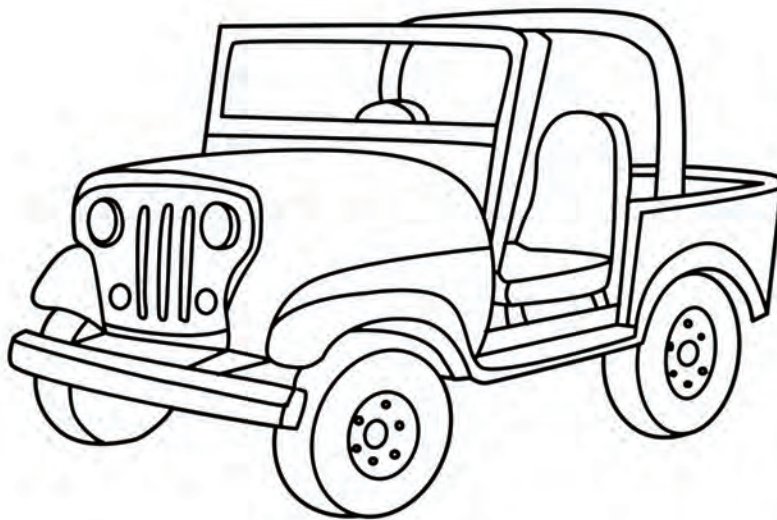
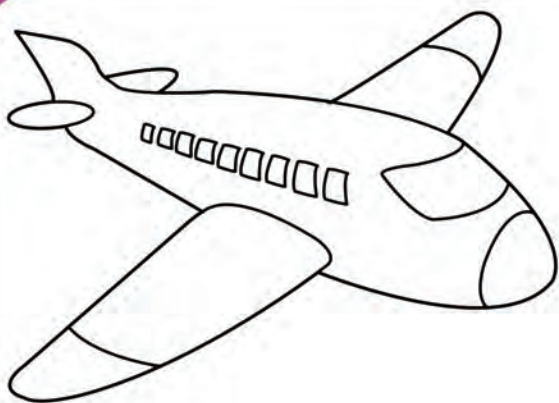
Tick (✓) the object on  
the Top.



Tick (✓) the things on  
the Bottom.



Colour the Top object blue and Bottom object red.





# INSIDE - OUTSIDE



Teddy is **inside** the box.



Ball is **inside** the bowl.



Teddy is **outside** the box.



Ball is **outside** the bowl.



Strawberries are **inside** the jar.



Dog is **inside** the Kennel.



Strawberries are **outside** the jar.

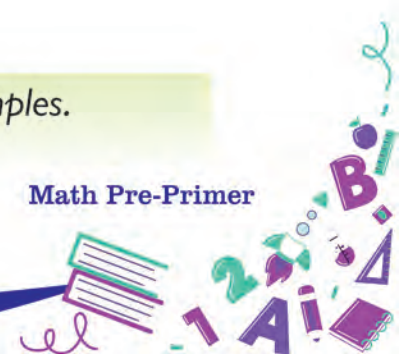


Dog is **outside** the Kennel.



## Teacher's Desk

Clear the concept of inside and outside by giving some practical examples.



# Worksheet

A. Tick (✓) the objects that is inside. Cross (x) the object that is outside.

☐☐☐☐

B. Write 'I' for the objects that are inside and 'O' for the objects that are outside.

☐☐☐☐



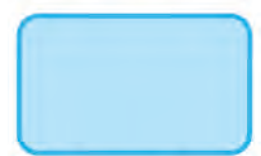
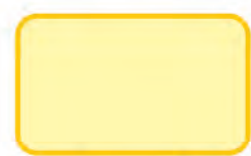
# REASONING

Tick (✓) the object which is different.



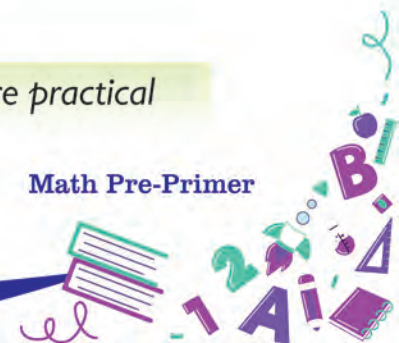
## Kid's IQ

- What is common between a butterfly and a honeybee ?
- If the sun sets, is it day or night ?



## Teacher's Desk

Help the children to differentiate between objects by giving some more practical examples.



# Let Us Match

Draw lines to join the similar fruits.  
(One has been done for you.)





# BEFORE-AFTER-IN BETWEEN



Dog is  
**Before** hen.



Hen is **in between**  
dog and peacock.

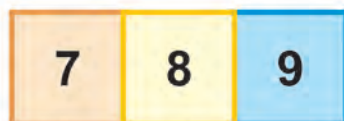


Peacock is  
**after** hen.

## Similarly



14 comes **before** 15



8 comes **after** 7



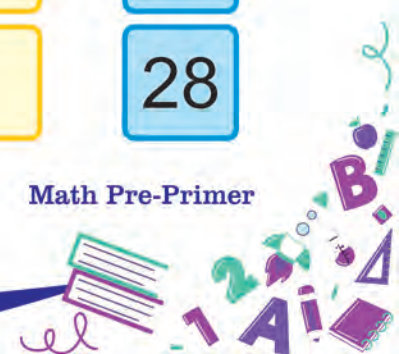
10 comes **in between**  
9 and 11

## What comes before?

|  |    |
|--|----|
|  | 6  |
|  | 3  |
|  | 10 |
|  | 13 |
|  | 15 |

|  |    |
|--|----|
|  | 5  |
|  | 7  |
|  | 9  |
|  | 25 |
|  | 20 |

|  |    |
|--|----|
|  | 4  |
|  | 2  |
|  | 8  |
|  | 31 |
|  | 28 |



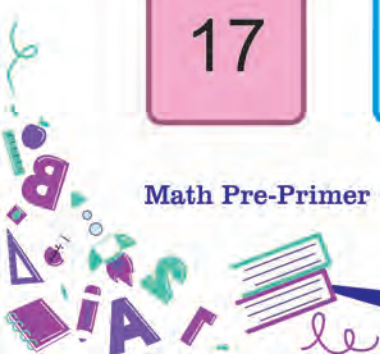


## What comes after?

|    |                      |    |                      |    |                      |
|----|----------------------|----|----------------------|----|----------------------|
| 4  | <input type="text"/> | 1  | <input type="text"/> | 3  | <input type="text"/> |
| 9  | <input type="text"/> | 6  | <input type="text"/> | 2  | <input type="text"/> |
| 7  | <input type="text"/> | 5  | <input type="text"/> | 8  | <input type="text"/> |
| 25 | <input type="text"/> | 19 | <input type="text"/> | 11 | <input type="text"/> |
| 17 | <input type="text"/> | 29 | <input type="text"/> | 21 | <input type="text"/> |

## Write the number in between :

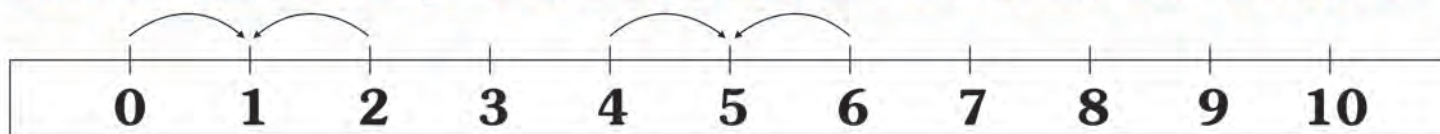
|    |                      |    |                      |    |                      |    |
|----|----------------------|----|----------------------|----|----------------------|----|
| 1  | <input type="text"/> | 3  | <input type="text"/> | 3  | <input type="text"/> | 5  |
| 6  | <input type="text"/> | 8  | <input type="text"/> | 2  | <input type="text"/> | 4  |
| 4  | <input type="text"/> | 6  | <input type="text"/> | 8  | <input type="text"/> | 10 |
| 10 | <input type="text"/> | 12 | <input type="text"/> | 15 | <input type="text"/> | 17 |
| 17 | <input type="text"/> | 19 | <input type="text"/> | 5  | <input type="text"/> | 7  |





# Worksheet

The number strip shows the numbers 0 to 10 in order.



1 is just after 0.

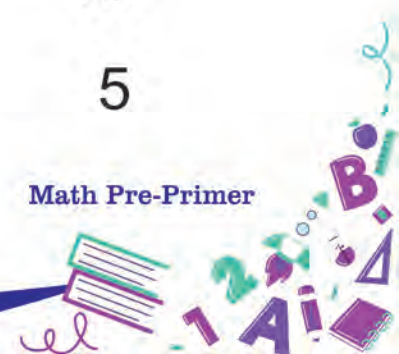
1 is just before 2 and so on.

5 is just after 4.

5 is just before 6 and so on.

Use the above number strip and fill in the boxes.

| Number | After                          | Before                         | Number |
|--------|--------------------------------|--------------------------------|--------|
| 8      | <input type="text" value="9"/> | <input type="text" value="2"/> | 3      |
| 5      | <input type="text"/>           | <input type="text"/>           | 9      |
| 7      | <input type="text"/>           | <input type="text"/>           | 4      |
| 3      | <input type="text"/>           | <input type="text"/>           | 8      |
| 2      | <input type="text"/>           | <input type="text"/>           | 2      |
| 9      | <input type="text"/>           | <input type="text"/>           | 7      |
| 1      | <input type="text"/>           | <input type="text"/>           | 1      |
| 6      | <input type="text"/>           | <input type="text"/>           | 6      |
| 0      | <input type="text"/>           | <input type="text"/>           | 10     |
| 4      | <input type="text"/>           | <input type="text"/>           | 5      |



# Worksheet

Green   red   blue



From the above number strip it is clear that-

    
4 is in between 3 and 5

Fill in the boxes.

|    |                      |    |    |                      |    |
|----|----------------------|----|----|----------------------|----|
| 0  | <input type="text"/> | 2  | 5  | <input type="text"/> | 7  |
| 6  | <input type="text"/> | 8  | 3  | <input type="text"/> | 5  |
| 4  | <input type="text"/> | 6  | 25 | <input type="text"/> | 27 |
| 7  | <input type="text"/> | 9  | 6  | <input type="text"/> | 8  |
| 10 | <input type="text"/> | 12 | 15 | <input type="text"/> | 17 |
| 12 | <input type="text"/> | 14 | 28 | <input type="text"/> | 30 |
| 20 | <input type="text"/> | 22 | 16 | <input type="text"/> | 18 |
| 37 | <input type="text"/> | 39 | 8  | <input type="text"/> | 10 |
| 14 | <input type="text"/> | 16 | 1  | <input type="text"/> | 3  |
| 9  | <input type="text"/> | 11 | 14 | <input type="text"/> | 16 |



## GREATER THAN, LESS THAN & EQUAL TO

Greater than ( $>$ )



4 Apples

$>$



2 Apples

4 Apples are greater than 2 Apples.

Thus we can write

$$4 > 2$$

Less than ( $<$ )



3 balls

$<$



5 balls

3 Balls are less than 5 Balls.

In find write:-

$$3 < 5$$



## Equal to ( = )



3 Butterflies

=



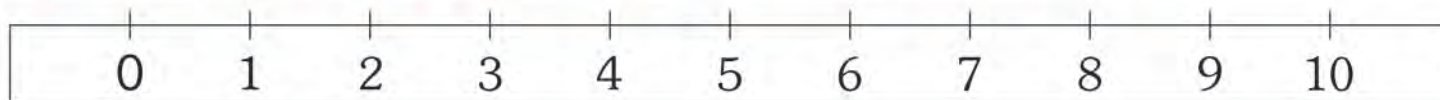
3 Butterflies

3 Butterflies are equal to 3 Butterflies.

Thus we can write

$$3 = 3$$

## To compare two numbers using number line.



Left side



Right side

The numbers on the left side of a given number line is less than the numbers which is on the right side.

e.g:- 3 is less than 6, written as  $3 < 6$

The numbers on the right side of a given number line is greater than the numbers which is on the left side.

e.g:- 7 is greater than 2, written as  $7 > 2$

# Worksheet

**Make a Box on the sentences which are true.**

(One has been done for you.)



4

is less than  
is greater than

5



6

is less than  
is greater than

4



7

is less than  
is equal to  
is greater than

7



8

is less than  
is greater than  
is equal to

3



2

is less than  
is greater than  
is equal to

4

# Worksheet

Write the number in given boxes.




is less than




is greater than




is less than




is equal to




>




=




>




>



# Worksheet

Write  $<$ ,  $=$ ,  $>$  in the given boxes.



8



6



7



10



5



2



6



6



2



9



4



4



8



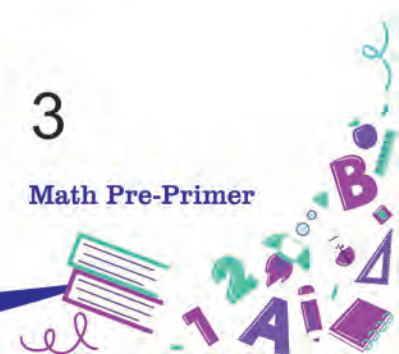
7



5



3



# Worksheet

Write correct **sign** between the numbers.

$4 < 6$

$4 \square 5$

$6 \square 5$

$6 \square 8$

$9 \square 6$

$2 \square 7$

$4 \square 1$

$8 \square 5$

$2 \square 2$

$8 \square 3$

$1 \square 1$

$7 \square 0$

$1 \square 6$

$6 \square 8$

$3 \square 4$

$0 \square 4$

$2 \square 3$

$1 \square 5$

$9 \square 6$

$5 \square 10$

$9 \square 8$

$6 \square 8$

$9 \square 3$

$7 \square 7$

$3 \square 1$

$9 \square 6$

$5 \square 5$



# ADDITION

## Concept of Addition



Anna do you know what is addition?

Yes Jack, Addition means grouping the objects of two or more collections together and counting them as one unit.



Study the following example:  
There are three jars on a table.



There is one jar on another table.



Jack puts all the jars on another table.



How many jars are there now all together? There are four jars.

So, 3 and 1 together is 4. We write it as:  $3 + 1 = 4$

'+' is the sign of addition and is read as 'plus'. '=' is the sign for equality and is read as 'equal to' is read as:  $3 + 1 = 4$

Three plus one is equal to four or One plus three is same as four.

## Concept of Adding Zero:

$$5 + 0 = 5, 6 + 0 = 6, 7 + 0 = 7$$

'0' is read as 'zero'.  
zero means nothing



# Addition



and



=

  
 $3 + 1 = 4$

We add, 3 and 1.

We write,  $3 + 1$  equal to 4.



and



=

  
 $4 + 1 = 5$

We add, 4 and 1.

We write,  $4 + 1$  equal to 5.



and



=

  
 $6 + 2 = 8$

We add, 6 and 2.

We write,  $6 + 2$  equal to 8.



# Worksheet



+



=



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



+



=



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



+



=



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



+



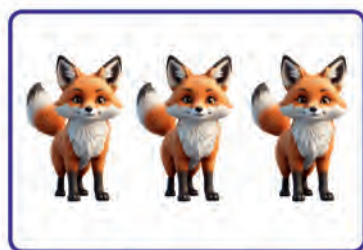
=



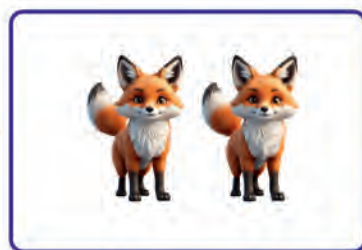
$$\begin{array}{r} 5 \\ + 2 \\ \hline \hline \end{array}$$



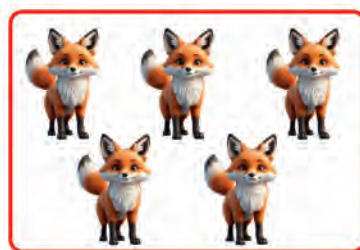
# Worksheet



+



=



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



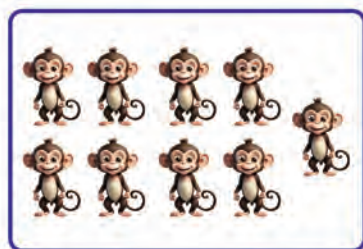
+



=



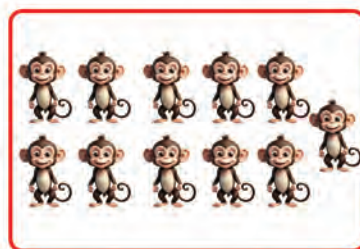
$$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$$



+



=



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



+



=



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



# Worksheet

Fill in the boxes. (One has been done for you.)



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



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



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



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

# Worksheet

Fill in the boxes. (One has been done for you.)

 $+$  $=$ 

3

 $+$  $=$

 $+$  $=$

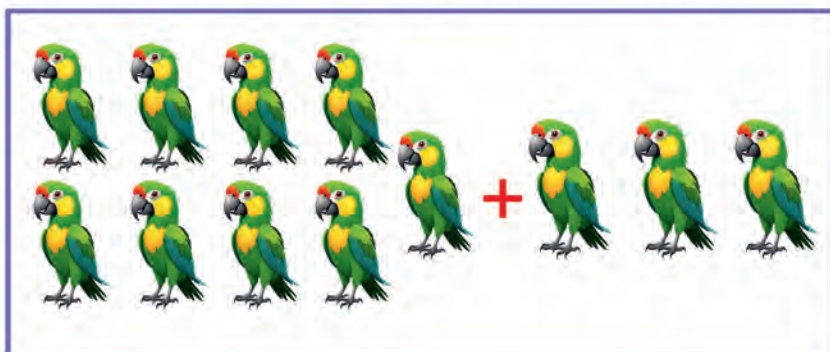
 $+$  $=$

 $+$  $=$

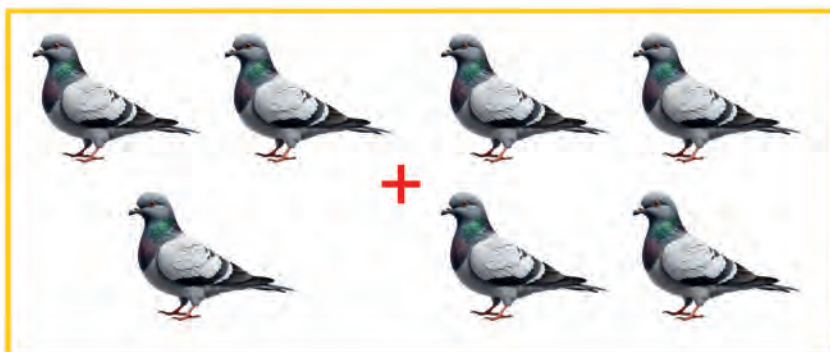


# Worksheet

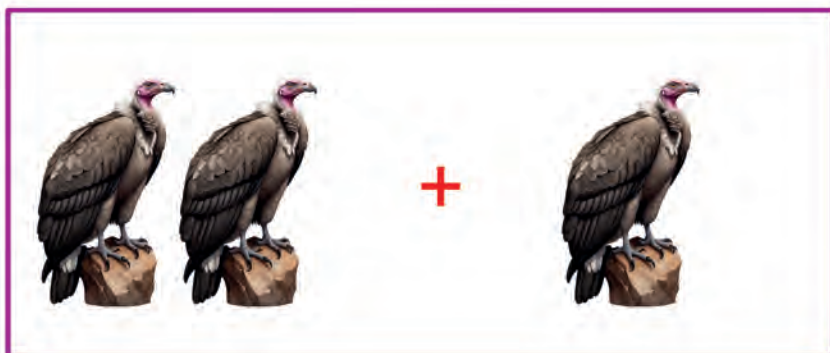
Add and write by counting the objects:



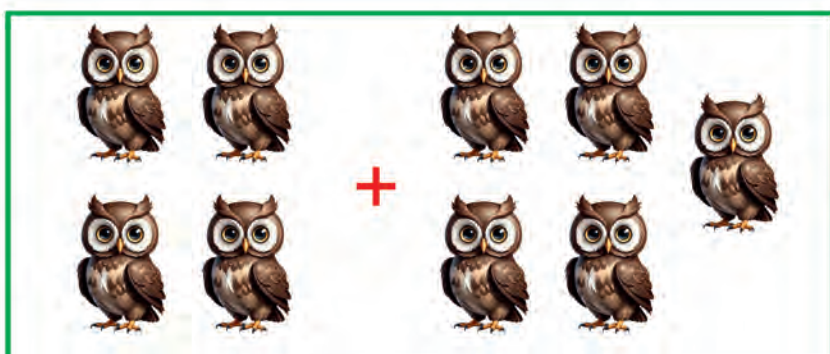
$$\boxed{9} + \boxed{3} = \boxed{12}$$



$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$



# Worksheet

## Addition by drawing lines.

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

||

||||

\_\_\_\_\_→

\_\_\_\_\_→

draw 2 lines

draw 4 lines

$$\begin{array}{r} 6 \\ + 3 \\ \hline 9 \end{array}$$

|||||

|||

\_\_\_\_\_→

\_\_\_\_\_→

draw 6 lines

draw 3 lines

## Add by drawing the lines. One has been done for you.

$$\begin{array}{r} 8 \\ + 2 \\ \hline 10 \end{array}$$

|||||

||

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

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

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

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

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

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

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



# Worksheet

Add by drawing the lines. One has been done for you.

$$\begin{array}{r} 4 \quad |||| \\ + 2 \quad || \\ \hline 6 \end{array}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



# Worksheet

Add by drawing the lines. One has been done for you.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



# Worksheet

Add by drawing the lines. One has been done for you.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



# Worksheet

Add by drawing the lines. One has been done for you.

$$\begin{array}{r} 5 \\ + 6 \\ \hline 11 \end{array}$$

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

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

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

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

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

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

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

$$\begin{array}{r} 6 \\ + 9 \\ \hline \end{array}$$

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

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

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

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

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

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

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



# Worksheet

Add by drawing the lines. One has been done for you.

$$\begin{array}{r} 3 \text{ III} \\ + 4 \text{ IIII} \\ \hline 7 \end{array}$$

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

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

$$\begin{array}{r} 8 \\ + 4 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 9 \\ + 6 \\ \hline \end{array}$$

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

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

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

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

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

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

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

$$\begin{array}{r} 9 \\ + 0 \\ \hline \end{array}$$

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



## More Addition

Add by drawing the lines. One has been done for you.

$$\begin{array}{r} 1 \text{ |} \\ 3 \text{ |||} \\ + 6 \text{ |||||} \\ \hline 10 \end{array}$$

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

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

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

$$\begin{array}{r} 2 \\ 6 \\ + 8 \\ \hline \end{array}$$

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

$$\begin{array}{r} 8 \\ 9 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 8 \\ + 5 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 5 \\ 7 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 8 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 7 \\ + 8 \\ \hline \end{array}$$

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

$$\begin{array}{r} 6 \\ 8 \\ + 7 \\ \hline \end{array}$$

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

## More Addition

Add by drawing the lines. One has been done for you.

$$\begin{array}{r} 3 \text{ III} \\ 4 \text{ IIII} \\ + 7 \text{ IIIIII} \\ \hline 14 \end{array}$$

$$\begin{array}{r} 8 \\ 6 \\ + 7 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 5 \\ 8 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 7 \\ + 8 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 8 \\ 9 \\ + 7 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 7 \\ 8 \\ + 4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 4 \\ 2 \\ + 8 \\ \hline \end{array}$$

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

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

## More Addition

Add by counting the dots. One has been done for you.

$4 + 2 =$

6

.....

$6 + 4 =$

$1 + 6 =$

$3 + 4 =$

$2 + 1 =$

$2 + 2 =$

$5 + 3 =$

$2 + 6 =$

$4 + 2 =$

$8 + 5 =$

$4 + 4 =$

$5 + 5 =$

$2 + 4 =$

$6 + 1 =$

$9 + 3 =$

$6 + 2 =$

$3 + 2 =$

$1 + 7 =$



# SUBTRACTION

## Concept of Subtraction



Jack! Do you know what is subtraction?

Yes, John! subtraction means taking away something from a larger one and counting left over.



## Study the following example:

There are 7 balloons in Anna's hand.

Two balloons fly away.

How many balloons are left?

There are 5 balloons left in the Anna's hand.

From 7 Balloons, 2 Balloons are gone. So Subtract 2 from 7 comes to 5. We write it as:  $7 - 2 = 5$

(-) is the sign of subtraction and it is read as minus.

is read as:  $7 - 2 = 5$

## Concept of Subtracting Zero-

Subtraction of Zero from number does not change the

number.  $4 - 0 = 4$ ,  $5 - 0 = 5$ ,  $6 - 0 = 6$



# Subtraction

Subtract the objects by crossing out. Write their correct number in the box. (One has been done for you.)



$$\boxed{3} - \boxed{1} = \boxed{2}$$



$$\boxed{5} - \boxed{1} = \boxed{\phantom{00}}$$



$$\boxed{9} - \boxed{1} = \boxed{\phantom{00}}$$



$$\boxed{2} - \boxed{1} = \boxed{\phantom{00}}$$



$$\boxed{4} - \boxed{1} = \boxed{\phantom{00}}$$



$$\boxed{8} - \boxed{1} = \boxed{\phantom{00}}$$

# Subtraction

Subtract the following objects by crossing out.



$$6 - 2 = \square$$



$$8 - 2 = \square$$



$$4 - 2 = \square$$



$$3 - 2 = \square$$



$$5 - 2 = \square$$



$$2 - 2 = \square$$

# Subtraction

Count all the plates and then remove the crossed ones.  
Now write remaining in the box.

  $8 - 3 = 5$

  $9 - 2 = \square$

  $9 - 7 = \square$

  $8 - 5 = \square$

  $6 - 2 = \square$

  $5 - 2 = \square$

  $9 - 5 = \square$

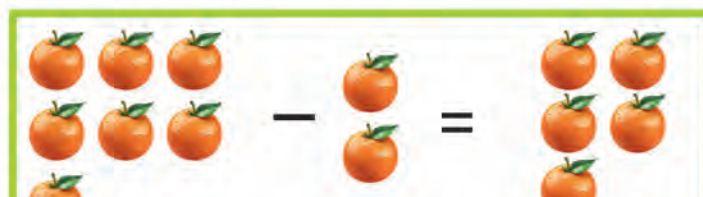
  $7 - 3 = \square$

  $4 - 0 = \square$

# Subtraction



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



$$\boxed{7} - \boxed{2} = \boxed{\phantom{0}}$$



$$\boxed{4} - \boxed{2} = \boxed{\phantom{0}}$$



$$\boxed{10} - \boxed{2} = \boxed{\phantom{0}}$$



$$\boxed{5} - \boxed{3} = \boxed{\phantom{0}}$$



$$\boxed{6} - \boxed{4} = \boxed{\phantom{0}}$$



$$\boxed{3} - \boxed{2} = \boxed{\phantom{0}}$$



$$\boxed{8} - \boxed{5} = \boxed{\phantom{0}}$$



$$\boxed{6} - \boxed{1} = \boxed{\phantom{0}}$$



$$\boxed{10} - \boxed{5} = \boxed{\phantom{0}}$$

## More Subtraction

Draw strokes, put crosses, subtract and count as shown below:

$$\begin{array}{r} 6 \\ - 2 \\ \hline 4 \end{array}$$

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

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

$$\begin{array}{r} 7 \\ - 6 \\ \hline \square \end{array}$$

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

$$\begin{array}{r} 4 \\ - 2 \\ \hline \square \end{array}$$

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

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

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

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

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

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

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

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

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

$$\begin{array}{r} 6 \\ - 3 \\ \hline \square \end{array}$$



## More Subtraction

Draw strokes, put crosses, subtract and count as shown below:

$$\begin{array}{r} 9 \\ - 2 \\ \hline 7 \end{array}$$

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

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

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

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

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

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

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

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

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

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

$$\begin{array}{r} 12 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$$

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

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

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



## More Subtraction

Draw strokes, put crosses, subtract and count as shown below:

$$\begin{array}{r} 8 \\ - 6 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 9 \\ \hline \end{array}$$

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

$$\begin{array}{r} 16 \\ - 6 \\ \hline \end{array}$$

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

$$\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$$

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

$$\begin{array}{r} 19 \\ - 8 \\ \hline \end{array}$$



## More Subtraction

Draw strokes, put crosses, subtract and count as shown below:

$$\begin{array}{r} 8 \\ - 3 \\ \hline 5 \end{array}$$

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

$$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 5 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 12 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 3 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$$

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

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

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

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



## More Subtraction

Draw strokes, put crosses, subtract and count as shown below:

$$\begin{array}{r} 12 \\ - 9 \\ \hline 3 \end{array}$$

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

$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

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

$$\begin{array}{r} 10 \\ - 4 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 7 \\ \hline \end{array}$$



## More Subtraction

Draw dots, put strokes to subtract the number and fill in the box

$6 - 3 =$

3



$9 - 3 =$

$6 - 2 =$

$7 - 4 =$

$8 - 3 =$

$4 - 2 =$

$5 - 3 =$

$9 - 8 =$

$6 - 4 =$

$8 - 2 =$

$9 - 2 =$

$4 - 1 =$

$6 - 6 =$

$8 - 3 =$

$7 - 5 =$

$8 - 7 =$

$3 - 2 =$

$7 - 7 =$

# Addition (+) and Subtraction (-)

For example:

$$\begin{array}{r} 6 \\ - 2 \\ \hline 4 \end{array}$$

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

$$\begin{array}{r} 12 \\ - 6 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 7 \\ + 5 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 9 \\ - 1 \\ \hline 8 \end{array}$$

Do yourself:

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

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

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

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

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

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

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

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

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

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

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

$$\begin{array}{r} 12 \\ - 8 \\ \hline \end{array}$$

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

$$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

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

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

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

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

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

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



# Addition (+) and Subtraction (-)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\begin{array}{r} 18 \\ - 2 \\ \hline \end{array}$$

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

$$\begin{array}{r} 11 \\ - 6 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 14 \\ - 2 \\ \hline \end{array}$$

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

$$\begin{array}{r} 12 \\ - 6 \\ \hline \end{array}$$

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





# MULTIPLICATION

Repeated addition of numbers is called multiplication.

**Example :**

$$2 + 2 + 2 + 2 + 2 = 2 \times 5 = 10$$

This means two is added 5 times.

$2 + 2 + 2 + 2 + 2$  is called the addition fact.

$2 \times 5$  is called the multiplication fact.

Its written as five times two or  $5 \times 2$  called as multiply 5 by 2 expressed as  $5 \times 2$ . (x) is a sign of multiplication.



## Kid's IQ

- What is 2 times 3 ?
- If you multiply 4 by 2, what do you get ?

**Example :**



Number of boxes = 4

Number of watermelons in each box = 5

So, addition fact =  $5 + 5 + 5 + 5 = 20$

Multiplication fact =  $5 \times 4 = 20$



# Worksheet

Look at the objects and write the addition fact and multiplication fact for the following :

|                                                                                      | Addition<br>fact | Multiplication<br>fact |
|--------------------------------------------------------------------------------------|------------------|------------------------|
|     | $3 + 3 + 3 = 9$  | $3 \times 3 = 9$       |
|    |                  |                        |
|  |                  |                        |
|  |                  |                        |
|  |                  |                        |





# CLOCK

This is a clock-



Clock has three hands - one hour hand, one minute hand and one second hand.

Its **hour hand** tells about **hours** and is smaller than minutes hand.

Its **minute hand** tells about **minutes** and is larger in size.

Its **second hand** is thinnest, it tells about the **seconds**.

The clock has numbers 1 to 12.

In the above figure the time is- 5 o'clock or 5:00. As the **hour hand** is on 5.

The **minute hand** is on 12, which means **60 minutes** as the entire circle in clock consist of **60 minutes**. There are total 60 small lines on clock each show **1 minute**.

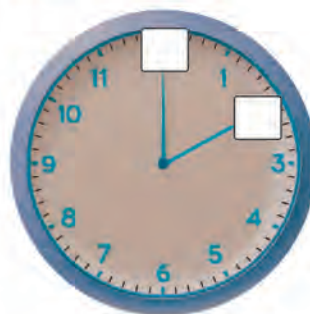
**Fill the missing numbers of the clock.**



8 o'clock



5 o'clock



2 o'clock

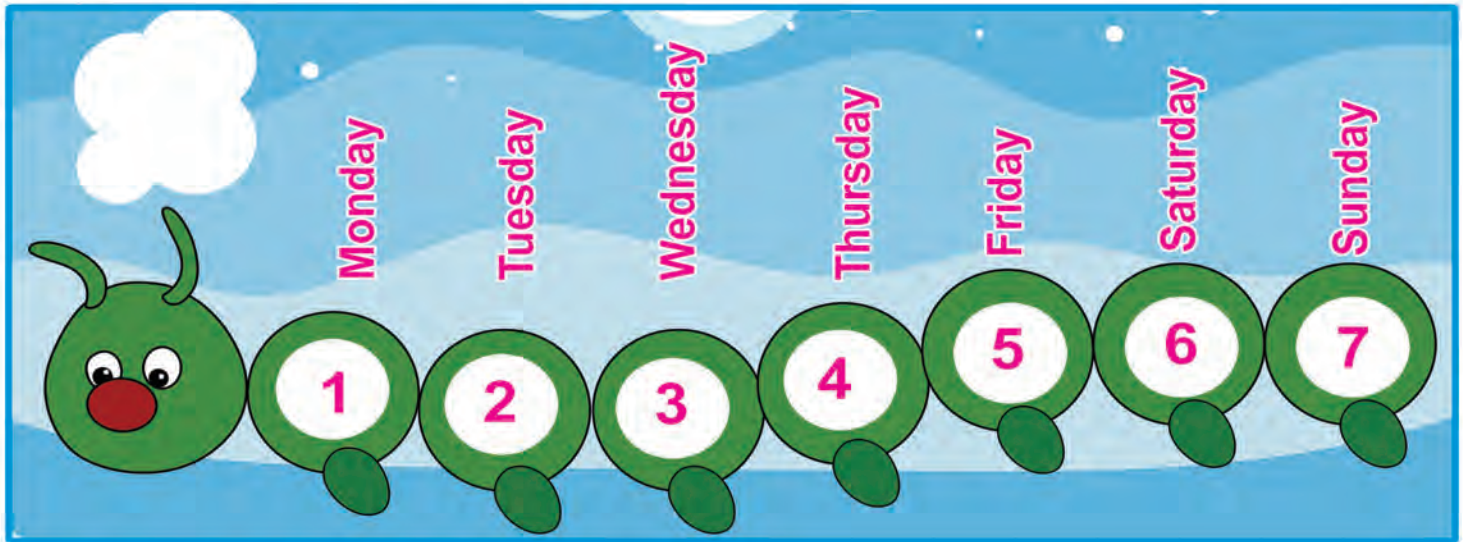


6 o'clock



# DAYS OF THE WEEK

A week has seven days.



**Fill in the blanks :**

Sunday is the ..... day of the week.

Thursday is the ..... day of the week.

Tuesday is the ..... day of the week.

Friday is the ..... day of the week.

Monday is the ..... day of the week.

Saturday is the ..... day of the week.

Wednesday is the ..... day of the week.

The first day of the week is .....

..... is the last day of the week.



# SHAPES



## Plane Shapes



Square



Rectangle



Triangle

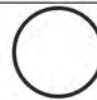
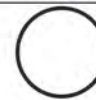
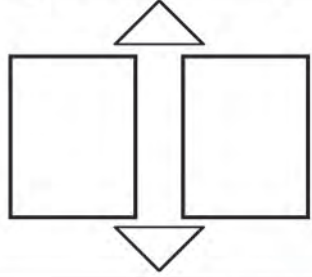
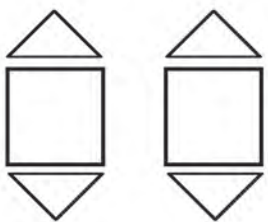


Circle



## Colour the picture :

- Green 
- Red 
- Blue 
- Orange 

|                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |    |  |  |  |
|  |                                                                                     |  |  |                                                                                       |                                                                                       |