

### INCREASING AND DECREASING ORDER

Increasing order means to write numbers from smallest to greatest

0 → 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8 → 9 → 10  
Increasing order

Decreasing order means to write numbers from greatest to smallest

10 → 9 → 8 → 7 → 6 → 5 → 4 → 3 → 2 → 1  
Decreasing order



### Exercise 1.5

1. Write the increasing order of the given numbers in the boxes

a. 1, 5, 7, 9, 8, 2   

b. 2, 0, 4, 6, 3, 7   

c. 3, 7, 9, 4, 8, 5   

d. 2, 5, 7, 8, 0, 6   

2. Write the decreasing order of the given numbers in the boxes

a. 1, 7, 3, 2, 5, 4   

b. 2, 5, 0, 1, 7, 9   

c. 3, 9, 1, 5, 6, 8   

d. 5, 4, 8, 2, 7, 3

ADDITION UP TO 10

3 boys are playing football.  
4 more boys join them.  
How many boys are playing together ?



$$3 + 4 = 7$$

3 plus 4 equals 7

3 and 4 are seven

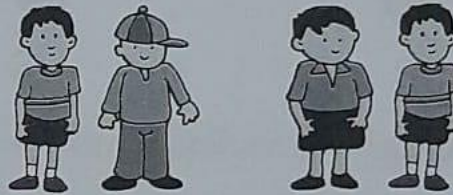


**Exercise 1.6**

1. Fill in the boxes.



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



$$2 + 2 = \boxed{4}$$



$$4 + 5 = \boxed{9}$$



$$3 + 5 = \boxed{8}$$

**VERTICAL ADDITION**

$$\begin{array}{r}
 \text{🐸🐸🐸🐸} \quad 4 \\
 + \text{🍄🍄🍄🍄} \quad 5 \\
 \hline
 \boxed{9}
 \end{array}$$

4 plus 5 equals 9

4 and 5 are 9

$$\begin{array}{r}
 \text{👤👤} \quad 2 \\
 + \text{🕯️🕯️🕯️🕯️🕯️🕯️🕯️} \quad 8 \\
 \hline
 \boxed{10}
 \end{array}$$

2 plus 8 equals 10

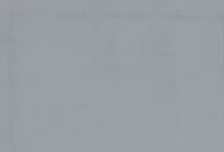
2 and 8 are 10

**ZERO IN ADDITION**



3

+

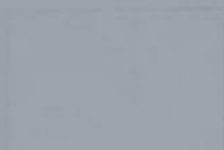


0

=



3



0

+



3

=



3

**REMEMBER :** The sum of zero with any number is that number.



**Exercise 1.7**

**1. Add.**

a. 
$$\begin{array}{r}
 \text{🚗🚗🚗🚗} \quad 4 \\
 + \text{🐼🐼} \quad 2 \\
 \hline
 \boxed{6}
 \end{array}$$

b. 
$$\begin{array}{r}
 \text{🐟🐟🐟🐟} \quad 4 \\
 + \text{🚗🚗🚗🚗} \quad 4 \\
 \hline
 \boxed{8}
 \end{array}$$

c. 
$$\begin{array}{r}
 \text{🐼🐼🐼} \quad 3 \\
 + \text{🚗🚗🚗🚗🚗} \quad 5 \\
 \hline
 \boxed{8}
 \end{array}$$

d. 
$$\begin{array}{r}
 \text{🐼🐼🐼🐼🐼🐼} \quad 6 \\
 + \text{🐼🐼} \quad 2 \\
 \hline
 \boxed{8}
 \end{array}$$

e. 
$$\begin{array}{r}
 \text{👤👤👤} \quad 3 \\
 + \text{🚗🚗🚗} \quad 3 \\
 \hline
 \boxed{6}
 \end{array}$$

f. 
$$\begin{array}{r}
 \text{🎈🎈🎈🎈🎈🎈} \quad 7 \\
 + \text{🐼🐼} \quad 2 \\
 \hline
 \boxed{9}
 \end{array}$$

2. Add :

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

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

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

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

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

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

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

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

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

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

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

$$\begin{array}{r} 4 \\ + 6 \\ \hline 10 \end{array}$$

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

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

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

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

$$\begin{array}{r} 5 \\ + 0 \\ \hline 5 \end{array}$$

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

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

$$\begin{array}{r} 6 \\ + 1 \\ \hline 7 \end{array}$$

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

$$\begin{array}{r} 6 \\ + 4 \\ \hline 10 \end{array}$$

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

$$\begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array}$$

3. Add :

$$a. 7 + 2 = 9$$

$$b. 8 + 0 = 8$$

$$c. 7 + 3 = 10$$

$$d. 2 + 6 = 8$$

$$e. 5 + 4 = 9$$

$$f. 6 + 3 = 9$$

$$g. 3 + 5 = 8$$

$$h. 4 + 4 = 8$$

$$i. 3 + 1 = 4$$

$$j. 6 + 4 = 10$$

$$k. 0 + 9 = 9$$

$$l. 0 + 10 = 10$$

$$m. 9 + 1 = 10$$

$$n. 8 + 1 = 9$$

$$o. 0 + 7 = 7$$

4. Fill in the boxes :

a.  $2 + 5 = 5 + \boxed{2}$

b.  $7 + 2 = 2 + \boxed{7}$

c.  $8 + 1 = 1 + \boxed{8}$

d.  $8 + 0 = \boxed{0} + 8$

e.  $4 + 6 = 6 + \boxed{4}$

f.  $6 + 3 = 3 + \boxed{6}$

5. Add across. Add down.

a.

	→	
↓	2	3
	1	4

b.

	→	
↓	3	2
	0	6

c.

	→	
↓	2	4
	5	3

**STORY TIME**

6. There are 3 red cars.

There are 4 black cars.

There are 7 cars altogether.



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

7. There are 4 yellow ribbons.

There are 3 pink ribbons.

There are 7 ribbons altogether.



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

8. Ankit has 5 marbles.

Akshita has 4 marbles.

Both have 9 marbles altogether.



$\boxed{5} + \boxed{4} = \boxed{9}$

9. Mary has 3 sweets.

John has 5 sweets.

Both have 8 sweets altogether.



$$\boxed{3} + \boxed{5} = \boxed{8}$$

10. There are 2 boys.

4 boys join them.

There are 6 boys altogether.



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

### SUBTRACTION UP TO 10

There were six birds sitting on a tree.

Four flew away.

Then two birds left on the tree.



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

We read it as 6 minus 4 equals 2.



### Exercise 1.8

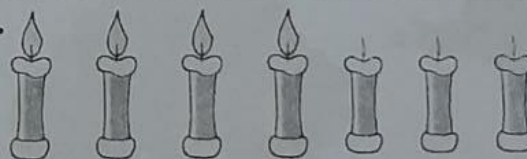
Fill in the boxes.

a.



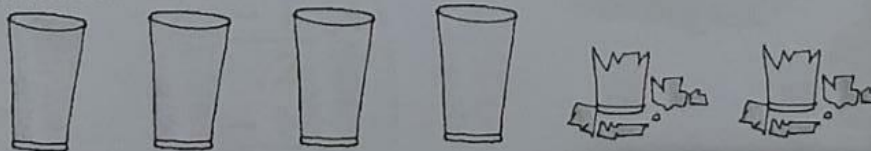
$$8 - 4 = \boxed{4}$$

b.



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

c.



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

**Example 4.**

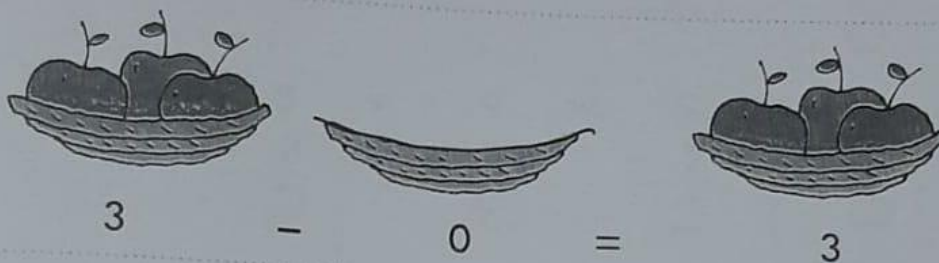


There are 5 toffees in hand of Rahul.



If Rahul ate all toffees one time, then  $5 - 5 = 0$

**ZERO IN SUBTRACTION**




**REMEMBER :** When we subtract zero from a number, the number remains the same.

 **Exercise 1.9**

**1. Subtract:**

a.



9
- 5
4

b.



7
- 2
5

c.



5
- 3
2

d.



4
- 1
3

2. Subtract :

- |  |  |  |   |  |   |
|--|--|--|---|--|---|
| a. $\begin{array}{r} 6 \\ - 3 \\ \hline 3 \end{array}$ | b. $\begin{array}{r} 9 \\ - 2 \\ \hline 7 \end{array}$ | c. $\begin{array}{r} 4 \\ - 0 \\ \hline 4 \end{array}$ | d. $\begin{array}{r} 7 \\ - 5 \\ \hline 2 \end{array}$  | e. $\begin{array}{r} 8 \\ - 6 \\ \hline 2 \end{array}$ | f. $\begin{array}{r} 10 \\ - 3 \\ \hline 7 \end{array}$ |
| g. $\begin{array}{r} 5 \\ - 0 \\ \hline 5 \end{array}$ | h. $\begin{array}{r} 6 \\ - 1 \\ \hline 5 \end{array}$ | i. $\begin{array}{r} 7 \\ - 3 \\ \hline 4 \end{array}$ | j. $\begin{array}{r} 10 \\ - 5 \\ \hline 5 \end{array}$ | k. $\begin{array}{r} 9 \\ - 8 \\ \hline 1 \end{array}$ | l. $\begin{array}{r} 9 \\ - 9 \\ \hline 0 \end{array}$  |
| m. $\begin{array}{r} 8 \\ - 0 \\ \hline 8 \end{array}$ | n. $\begin{array}{r} 9 \\ - 6 \\ \hline 3 \end{array}$ | o. $\begin{array}{r} 7 \\ - 6 \\ \hline 1 \end{array}$ | p. $\begin{array}{r} 10 \\ - 9 \\ \hline 1 \end{array}$ | q. $\begin{array}{r} 6 \\ - 5 \\ \hline 1 \end{array}$ | r. $\begin{array}{r} 7 \\ - 7 \\ \hline 0 \end{array}$  |
| s. $\begin{array}{r} 9 \\ - 3 \\ \hline 6 \end{array}$ | t. $\begin{array}{r} 8 \\ - 2 \\ \hline 6 \end{array}$ | u. $\begin{array}{r} 8 \\ - 8 \\ \hline 0 \end{array}$ | v. $\begin{array}{r} 9 \\ - 1 \\ \hline 8 \end{array}$  | w. $\begin{array}{r} 9 \\ - 7 \\ \hline 2 \end{array}$ | x. $\begin{array}{r} 6 \\ - 6 \\ \hline 0 \end{array}$  |

3. From 8 take away 7 1

4. From 9 take away 6 3

5.  $8 - 4 =$  4

6.  $7 - 0 =$  7

7.  $8 - 5 =$  3

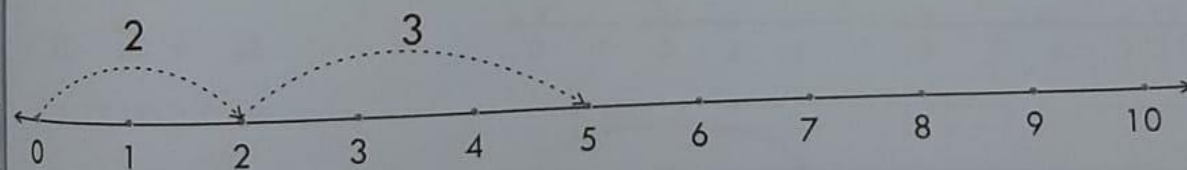
8.  $9 - 2 =$  7

9.  $6 - 3 =$  3

10.  $10 - 6 =$  4

**ADDITION AND SUBTRACTION USING NUMBER LINE**

Let us add  $2 + 3$  using number line





**2**  
WORKSHEET

*Before, After and Between*

Look at the number line given below:



2 comes before 3.

6 comes between 5 and 7.

9 comes after 8.

Write the number which comes just **before** the given number.

4	5	1	2	5	6	6	7	8	9
3	4	9	10	7	8	2	3		

Write the number which comes just **after** the given number.

7	8	3	4	1	2	2	3	6	7
9	10	8	9	5	6	4	5		

Write the number which comes in **between** the given numbers.

3	4	5	8	9	10	6	7	8
2	3	4	4	5	6	7	8	9
1	2	3	5	6	7			