

## Chapter -4

### Addition up to 10

**Addition:-** Putting things together is called addition.

or

Finding the total or sum, by combining two or more numbers.

**Example:-**  $8 + 3 = 11$

(where as 8 and 3 is **addend**, 11 is called sum or total , + means addition, = means for equal or same )

**Vertical addition :-** In this addition the numbers are added by writing them one below the others.

**Ex: 5**

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

Practice ground (page no 123)

4    b. 6    c. 3    d. 5

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

Answers :- 7,8,5,8

**Horizontal addition:-** The numbers are added by writing them along side.

**Ex:-**  $5 + 3 = 8$  ,  $3 + 3 = 6$

Practice ground ( page 123)

a.  $4 + 4 = \underline{\quad}$

b.  $5 + 4 = \underline{\quad}$

c.  $6 + 3 = \underline{\quad}$

d.  $1 + 5 = \underline{\quad}$

Answers :- 8 , 9 , 9 , 6

## **Exercise**

**Q no 1.** Find the sum :- ( vertical addition)

a. 3    b. 1    c. 6    d. 2    e. 4    f. 8

$$\begin{array}{r} +2 \\ \hline \end{array} \quad \begin{array}{r} +5 \\ \hline \end{array} \quad \begin{array}{r} +3 \\ \hline \end{array} \quad \begin{array}{r} +6 \\ \hline \end{array} \quad \begin{array}{r} +4 \\ \hline \end{array} \quad \begin{array}{r} +1 \\ \hline \end{array}$$

**Q no 2.** Find the sum :- ( horizontal addition )

a.  $4 + 3 = \underline{\quad}$

b.  $2 + 6 = \underline{\quad}$

c.  $5 + 1 = \underline{\quad}$

d.  $8 + 1 = \underline{\quad}$

e.  $6 + 3 = \underline{\quad}$

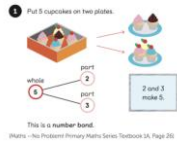
f.  $1 + 4 = \underline{\quad}$

g.  $6 + 1 = \underline{\quad}$

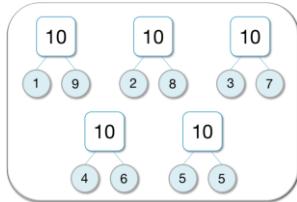
Answers :- Qno 1- 5 , 6 , 9 , 8 , 8 , 9

Qno 2- 7 , 8 , 6 , 9 , 9 , 5 , 7

**NUMBER BONDS:-** It is a relationship between a number and the parts make it.



**Example:-**



**practice ground :- page no 126,127**

1. Write the number bonds of 5, 6, 7 and 8

a. Number bonds of 5 :-  $5+0=5$

$$4+1=5$$

$$3+2=5$$

$$2+3=5$$

$$1+4=5$$

$$0+5=5$$

b. Number bonds of 6:-  $6+ 0=6$

$$5+1=6$$

$$4+2=6$$

$$3+3=6$$

$$2+4=6$$

$$1+ 5=6$$

$$0+6=6$$

c. Number bonds of 7 :-  $7+ 0=7$

$$6+1=7$$

$$5+ 2=7$$

$$4+3=7$$

$$3+4=7$$

$$2+5=7$$

$$1+6=7$$

$$0+7=7$$

d. Number bonds of 8 :-  $8+0=8$

$$7+1=8$$

$$6+2=8$$

$$5+3=8$$

$$4+4=8$$

$$3+5=8$$

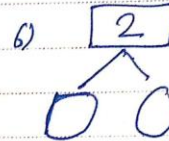
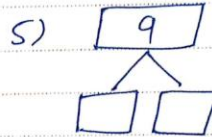
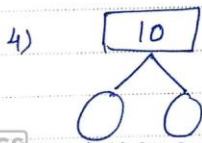
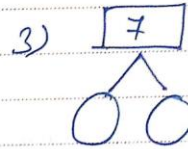
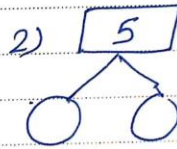
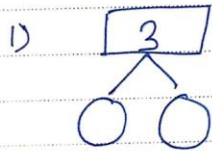
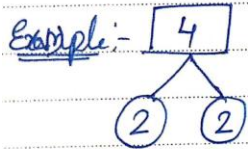
$$2+6=8$$

$$1+7=8$$

$$0+8=8$$

**Exercise**

**Solve the number bonds:-**



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**Addition by counting forward:-**

Practice ground ( page number128)

Add by counting forward:-

$5+1=$

$6+0=$

$4+4=$

$7+2=$

$1+1=$

$3+2=$

$8+1=$

$4+5=$

$2+6=$

$3+3=$

Answers :- 6 ,6, 8 , 9 , 2 ,5, 9 ,9 ,8 ,6

**Addition of three numbers:-**

For adding three numbers ,we add the first two numbers and then add their answer to the number.

**Example:-** 5

$$+ 1$$

$$+ 1$$

—

**\*Write the exercise from the textbook.page no 129**

**Answers of page no 129**

- b.9 ,
- c. 9,
- d.8,
- e.9
- f.9

**Addition stories:- page no 130,131**

1. There are four red flowers in the vase. Aliya puts five pink flowers in the vase.

Ans.  $4 + 5 = 9$

There are 9 flowers altogether.

2. Yash has two story books. His mother got him two more story books .

Ans .  $2 + 2 = 4$

Yash has total 4 storybooks.

3. There are two birds sitting on a tree. Five more join them.

Ans .  $2 + 5 = 7$

There are 7 birds on the tree in all.

Properties of addition :-(**One More**)page no 131

- Nancy has 1 friend for her birthday party.
- One more friend joins in. Nancy has 2 friends for her birthday party.
- One more friend comes to the party. Nancy has 3 friends for her birthday party.

One more friend joins the celebration. Nancy has 4 friends for her birthday party.

(one more means adding 1. IF we add 1 to a number , the answer is the number that comes after)

Practice ground ( page no 133)

**Fill in the blanks.**

- 3 and one more is \_\_\_\_
- $4 + 1 =$  \_\_\_\_
- 6 and one more is \_\_\_\_
- $1 + 8 =$  \_\_\_\_
- $2 + 1 =$  \_\_\_\_
- 1 and one more is \_\_\_\_
- $1 + 7 =$  \_\_\_\_
- 5 and one more is \_\_\_\_

**\* Adding zero:-** If we add 0 to a number, the answer is the number.

example:-  $1 + 0 = 1$

**Fill in the blanks.**

- $3 + 0 =$  \_\_\_\_
- $0 + 6 =$  \_\_\_\_
- $2 + 0 =$  \_\_\_\_

- $4 + 0 = \underline{\quad}$
- $1 + 0 = \underline{\quad}$
- $0 + 5 = \underline{\quad}$
- $0 + 8 = \underline{\quad}$
- $0 + 7 = \underline{\quad}$
- $9 + 0 = \underline{\quad}$

**Order in addition :- (page no 134,145)**

**Example :-**

$$\begin{array}{r} 2 \quad 1 \\ +1 \quad \text{or} \quad +2 \\ \hline 3 \quad 3 \end{array}$$

During addition, if we change the order of numbers, the answer remains same.

**Exercise**

**Q no 1.a** There are two lines on the board. Draw three more lines. How many lines are there in all?

Ans.  $2 + 3 = 5$

**b.** There are three lines on the board. Draw two more lines. How many lines are there in all?

Ans.  $3 + 2 = 5$

(Answer of qno. 1 a and b is the same)

**Qno.2. a)** There are four apples on the plate. Draw one more apple. How many apples are there in all?

Ans.  $4 + 1 = 5$

b. There are one apple on the plate. Draw four more plate. How many apples are there in all?

Ans.  $1 + 4 = 5$

(the answer is the same)

**Practice ground (page no 135,136)**

**Note: - Try to solve in the textbook only.**

**Exercise**

1. Read each statement and write **true** or **false**:-

- 0 added to any number gives the next number. (**false**)
- Numbers added in any order give the same sum. (**true**)
- 1 added to any numbers gives the same number. (**false**)

Qno.2. Observe the addition sentences with the dots and match the correct option.

Column A                      -                      Column B

1)  $\boxed{2} + \boxed{4} = \boxed{\phantom{00}}$                        $\boxed{5} - \boxed{\phantom{00}}$

2)  $\boxed{2} + \boxed{\phantom{00}} = \boxed{4}$                        $\boxed{5} - \boxed{\phantom{00}}$

3)  $\boxed{3} + \boxed{\phantom{00}} = \boxed{4}$                        $\boxed{5} - \boxed{\phantom{00}}$

4)  $\boxed{4} + \boxed{2} = \boxed{\phantom{00}}$                        $\boxed{5} - \boxed{\phantom{00}}$