

## Chapter- 5

## MIXED PROBLEMS

**STUDY NOTES****LEARNING OBJECTIVE:**

- ◆ Addition and Subtraction
- ◆ Word Problems
- ◆ **Addition and Subtraction:**

Addition means putting together and counting. To add means to combine . The sign of addition is '+' (plus). The answer we get after adding is called the **sum**.

**SUBTRACTION:** Subtraction means taking away a number from another number or to take away from a group of objects or a number of things. When we subtract, the number of things in the group reduce or become less.

**EXAMPLE 1:** Solve  $497+380-321$

**Solution:** **Method** *Changing your Tomorrow* ▲

$497$       **Step 1: First add the numbers 497 and 380.**

$$\begin{array}{r} 497 \\ + 380 \\ \hline \end{array} \quad 497 + 380 = 877$$

$877$       **Step 2: Subtract 321 from 877**

$$\begin{array}{r} 877 \\ - 321 \\ \hline \end{array} \quad 877 - 321 = 556$$

$$\underline{556}$$

**Ans. 556**

**EXAMPLE 2:** Solve  $369+546-745$

**Solution:**      **Method**

    3 6 9      Step 1: First add the numbers 369 and 546.

+ 5 4 6       $369 + 546 = 915$

    9 1 5      Step 2: Subtract 745 from 915

- 7 4 5       $915 - 745 = 170$

1 7 0

**Ans.** 170

**Word Problems:**

To solve Addition word problems , following points are to be kept in mind :

**Read** the story sums carefully and understand the given

information.

**Find** the fact or the important information.

**Decide** what to do.

**Solve** the story sum.

**Check** your answer.

READ

FIND

DECIDE

SOLVE

CHECK

**EXAMPLE 1:**

There were 150 people present for the morning show, 325 for the afternoon show and 375 for night show. How many people were there on that day for the show ?

**SOLUTION:**

$$\begin{array}{r}
 \text{Number of people present for the morning show} = 150 \\
 \text{Number of people present for the afternoon show} = 325 \\
 \text{Number of people present for the night show} = + 375 \\
 \hline
 \text{Total number of people on that day were} = 850
 \end{array}$$

Therefore 850 people were there on that day for the show.

**EXAMPLE 2:**

After selling 545 mangoes, the fruit seller still has 284 mangoes left with him.  
How many mangoes did he have at first ?

**SOLUTION:**

Number of mangoes sold = 5 4 5

Number of mangoes still left after selling = + 2 8 4

Number of mangoes he has at first = 8 2 9

So the fruit seller had 829 mangoes at first.

**MIND MAP**