

Exercise - 5

1. The sum of two numbers is 6 78 90 581.

One number is 3 42 16 789.

∴ The other number is - (6 78 90 581 - 3 42 16 789)

$$= 3 36 73 792$$

∴ 3 42 16 789 is greater among two numbers.

$$\begin{array}{r} \textcircled{8} \textcircled{7} \textcircled{9} \textcircled{0} \\ 6\ 78\ 90\ 581 \\ - 3\ 42\ 16\ 789 \\ \hline 3\ 36\ 73\ 792 \end{array}$$

2. The difference of two numbers is 1 74 325.

The greater number is 87 65 432.

∴ The smaller number is - (87 65 432 - 1 74 325)

$$\begin{array}{r} \textcircled{8} \textcircled{7} \textcircled{6} \textcircled{5} \textcircled{4} \textcircled{3} \textcircled{2} \\ 87\ 65\ 432 \\ - 1\ 74\ 325 \\ \hline 85\ 91\ 107 \end{array} = 85\ 91\ 107$$

3. A man bought a plot of land for Rs. 8 47 500.

He spent Rs. 3 94 252 on building materials.

He paid Rs. 95 846 to labourers.

∴ He spent Rs. (8 47 500 + 3 94 252 + 95 846) in all.

$$= \text{Rs. } 13\ 37\ 598$$

$$\begin{array}{r} \textcircled{8} \textcircled{4} \textcircled{7} \textcircled{5} \textcircled{0} \textcircled{0} \\ 8\ 47\ 500 \\ + 3\ 94\ 252 \\ + 95\ 846 \\ \hline 13\ 37\ 598 \end{array}$$

4. Four candidates of election got

2 31 598, 4 87 642, 5 91 124 and 98 729 votes respectively.

∴ Total (2 31 598 + 4 87 642 + 5 91 124 + 98 729) people cast their votes =

$$= 14\ 09\ 093$$

$$\begin{array}{r} \textcircled{2} \textcircled{3} \textcircled{1} \textcircled{5} \textcircled{9} \textcircled{8} \\ 2\ 31\ 598 \\ + 4\ 87\ 642 \\ + 5\ 91\ 124 \\ + 98\ 729 \\ \hline 14\ 09\ 093 \end{array}$$

∴ The winner defeated his nearest rival by (5 91 124 - 4 87 642) votes.

$$= 1\ 03\ 482$$

$$\begin{array}{r} \textcircled{5} \textcircled{9} \textcircled{1} \textcircled{1} \textcircled{2} \textcircled{4} \\ 5\ 91\ 124 \\ - 4\ 87\ 642 \\ \hline 1\ 03\ 482 \end{array}$$

5.

A jeweller bought gold worth Rs. 5,28,600, precious stones worth Rs. 27,84,530 and paid to his craftsmen Rs. 70,725.

∴ He spent $(5,28,600 + 27,84,530 + 70,725)$
 = Rs. 33,83,855 in all.

$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \\ 5,28,600 \\ 27,84,530 \\ + 70,725 \\ \hline 33,83,855 \end{array}$$

Then he sold the ornaments for Rs. 40,10,000.

∴ He gained Rs. $(40,10,000 - 33,83,855)$
 = Rs. 6,26,145 by selling the ornaments.

$$\begin{array}{r} \textcircled{3} \textcircled{0} \textcircled{0} \textcircled{0} \textcircled{0} \textcircled{0} \\ 40,10,000 \\ - 33,83,855 \\ \hline 6,26,145 \end{array}$$

6.

The sum of 67,89,678 and 12,34,567 is $(67,89,678 + 12,34,567)$
 = 80,24,245

$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \\ 67,89,678 \\ + 12,34,567 \\ \hline 80,24,245 \end{array}$$

The difference of 67,89,678 and 12,34,567 is $(67,89,678 - 12,34,567)$
 = 55,55,111

$$\begin{array}{r} 67,89,678 \\ - 12,34,567 \\ \hline 55,55,111 \end{array}$$

∴ To make the sum ~~and the~~ equal to the difference of the given numbers, $(80,24,245 - 55,55,111) = 24,69,134$ must be taken away from the sum of the given ~~num~~ numbers.

$$\begin{array}{r} \textcircled{7} \textcircled{0} \textcircled{11} \textcircled{14} \\ 80,24,245 \\ - 55,55,111 \\ \hline 24,69,134 \end{array}$$

7.

The population of a country was 5,12,10,913.

During war, 23,05,218 people died and 18,47,525 people fled to a neighbouring country.

$$\begin{array}{r} \textcircled{1} \textcircled{0} \textcircled{1} \\ 23,05,218 \\ + 18,47,525 \\ \hline 41,52,743 \end{array}$$

∴ $\{ 5,12,10,913 - (23,05,218 + 18,47,525) \}$
 = 4,70,58,170 people were left in the country.

$$\begin{array}{r} \textcircled{4} \textcircled{11} \textcircled{10} \textcircled{11} \textcircled{11} \\ 5,12,10,913 \\ - 41,52,743 \\ \hline 4,70,58,170 \end{array}$$

8. A company asked 3 companies to supply 580 000 tyres to make cars.

Two companies supplied 2 20 000 tyres each.

∴ Two companies supplied $(2\ 20\ 000 + 2\ 20\ 000)$
 $= 4\ 40\ 000$ tyres in total.

$$\begin{array}{r} 2\ 20\ 000 \\ + 2\ 20\ 000 \\ \hline 4\ 40\ 000 \end{array}$$

∴ The third company supplied $(580\ 000 - 440\ 000)$
 $= 140\ 000$ tyres.

$$\begin{array}{r} 5\ 80\ 000 \\ - 4\ 40\ 000 \\ \hline 1\ 40\ 000 \end{array}$$