

SESSION : 3
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 5
CHAPTER NAME : SUBTRACTION
SUBTOPIC : EXERCISE – 5 B Q.NO. 3 & 4

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to understand the subtraction of large numbers and how to do the simplification.

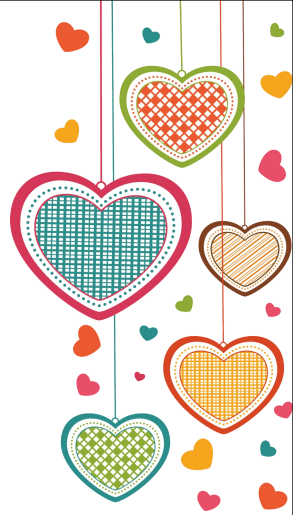
EXERCISE – 5 (B)

3. Two steps problems: (solve in your notebook).

(a) How much should be added to the sum of 66,415 and 3,25,218 to get 10,00,000?

ANSWER: The sum of 66,415 and 3,25,218 = **3,91,633**

$$\begin{array}{r} \overset{\textcircled{1}}{2} \\ 3, \\ + \overset{\textcircled{1}}{6} \\ \hline 3, \overset{\textcircled{1}}{9} \\ \hline 3, \\ \hline \end{array}$$

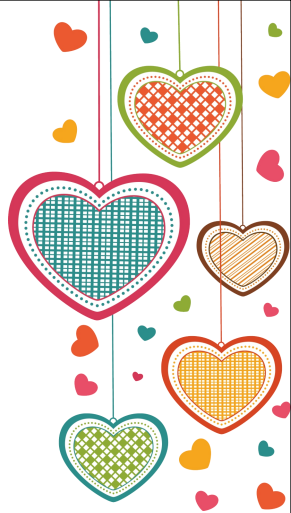


EXERCISE – 5 (B)

Total amount is needed to get 10,00,000 =

$$= 10,00,000 - 3,91,633 = \mathbf{6,08,367}$$

		9	9	9	9	9	
	0	10	10	10	10	10	10
	1	0	0	0	0	0	0
-		3,	9	1,	6	3	3
<hr/>							
		6,	0	8,	3	6	7
<hr/>							



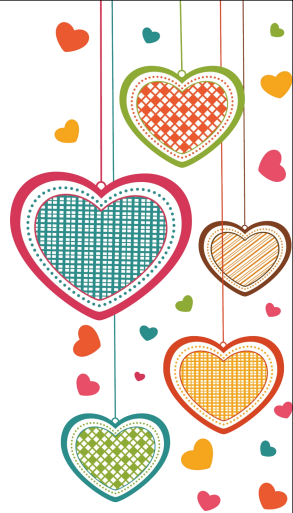
EXERCISE – 5 (B)

3. Two steps problems: (solve in your notebook).

(b) By how much is the sum of 12,25,216 and 4,54,786 greater than the sum of 10,16,748 and 49,575?

ANSWER: The sum of 12,25,216 and 4,54,786 = **16,80,002**

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \\ 1 \quad 2, \quad 2 \quad 5, \quad 2 \quad 1 \quad 6 \\ + \quad 4, \quad 5 \quad 4, \quad 7 \quad 8 \quad 6 \\ \hline 1 \quad 6, \quad 8 \quad 0, \quad 0 \quad 0 \quad 2 \\ \hline \end{array}$$



EXERCISE – 5 (B)

The sum of 10,16,748 and 49,575 = **10,66,323**

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \\ 10,16,748 \\ + \quad 49,575 \\ \hline 10,66,323 \\ \hline \end{array}$$



EXERCISE – 5 (B)

The sum which is greater than the other =

$$= 16,80,002 - 10,66,323 = 6,13,679$$

			7	9	9	9				
				10	10	10	12			
1	6,	8	↗	0	↗	0	↗	0	↗	2
-	1	0,	6	6,	3	2	3			
0	6,	1	3,	6	7	9				



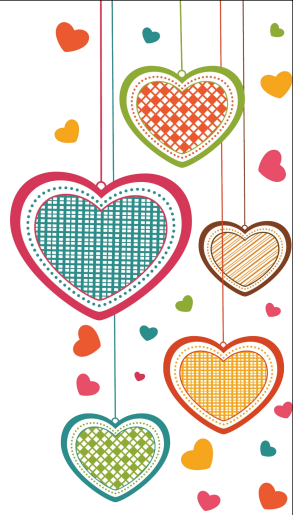
EXERCISE – 5 (B)

3. Two steps problems: (solve in your notebook).

(c) By how much is the sum of 24,718 and 3,75,718 less than the sum of 22,215 and 5,95,244?

ANSWER: The sum of 24,718 and 3,75,718 = **4,00,436**

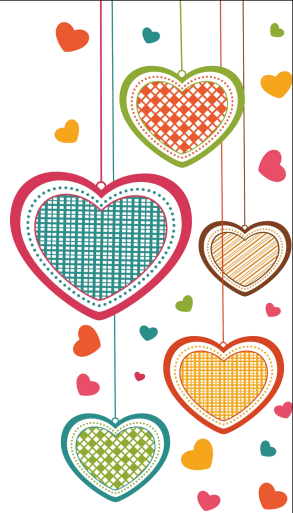
$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \quad \quad \textcircled{1} \\ 3, \quad 7 \quad 5, \quad 7 \quad 1 \quad 8 \\ + \quad \quad 2 \quad 4, \quad 7 \quad 1 \quad 8 \\ \hline 4, \quad 0 \quad 0, \quad 4 \quad 3 \quad 6 \\ \hline \end{array}$$



EXERCISE – 5 (B)

The sum of 22,215 and 5,95,244 = **6,17,459**

$$\begin{array}{r} \textcircled{1} \\ 5, \quad 9 \quad 5, \quad 2 \quad 4 \quad 4 \\ + \quad \quad 2 \quad 2, \quad 2 \quad 1 \quad 5 \\ \hline 6, \quad 1 \quad 7, \quad 4 \quad 5 \quad 9 \\ \hline \end{array}$$

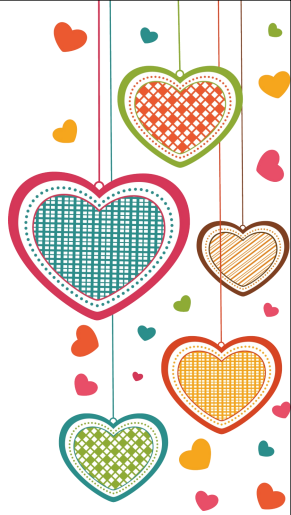


EXERCISE – 5 (B)

The sum which is less than the other =

$$= 6,17,459 - 4,00,436 = 2,17,023$$

$$\begin{array}{r} 6, 1 7, 4 5 9 \\ - 4, 0 0, 4 3 6 \\ \hline 2, 1 7, 0 2 3 \\ \hline \end{array}$$



EXERCISE – 5 (B)

3. Two steps problems: (solve in your notebook).

(d) Which is greater : the sum of 1,81,086 and 46,46,480 or the sum of 1,75,718 and 44,81,004 and by how much?

ANSWER: The sum of 1,81,086 and 46,46,480 = **48,27,566**

$$\begin{array}{rcccccc} & & \textcircled{1} & & \textcircled{1} & & \\ & 4 & 6, & 4 & 6, & 4 & 8 & 0 \\ + & & 1, & 8 & 1, & 0 & 8 & 6 \\ \hline & 4 & 8, & 2 & 7, & 5 & 6 & 6 \\ \hline \end{array}$$



EXERCISE – 5 (B)

The sum of 1,75,718 and 44,81,004 = **46,56,722**

$$\begin{array}{r} \textcircled{1} \\ 44,81,004 \\ + 1,75,718 \\ \hline 46,56,722 \\ \hline \end{array}$$

The sum which is greater = 1,81,086 + 46,46,480 = **48,27,566**



EXERCISE – 5 (B)

How much greater the sum is =

$$= 48,27,566 - 46,56,722 = 1,70,844$$

			12		15				
	4	8 ⁷	2	7 ⁶	5	6	6		
-	4	6	5	6	7	2	2		
	0	1	7	0	8	4	4		



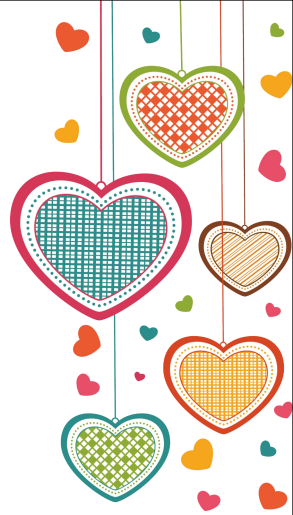
EXERCISE – 5 (B)

4. Simplify the following:

$$(a) 2,28,275 - 1,14,178 - 75,818 + 84,179$$

ANSWER:

$$\begin{aligned} & 2,28,275 - 1,14,178 - 75,818 + 84,179 \\ &= 2,28,275 + 84,179 - 1,14,178 - 75,818 \\ &= 3,12,454 - 1,14,178 - 75,818 \\ &= 1,98,276 - 75,818 \\ &= 1,22,458 \end{aligned}$$



EXERCISE – 5 (B)

4. Simplify the following:

$$(b) 82,095 - 1,42,045 + 3,29,928 - 66,618 - 845$$

ANSWER:

$$\begin{aligned} & 82,095 - 1,42,045 + 3,29,928 - 66,618 - 845 \\ &= 82,095 + 3,29,928 - 1,42,045 - 66,618 - 845 \\ &= 4,12,023 - 1,42,045 - 66,618 - 845 \\ &= 2,69,978 - 66,618 - 845 \\ &= 2,03,360 - 845 \\ &= 2,02,515 \end{aligned}$$



EXERCISE – 5 (B)

4. Simplify the following:

$$(c) 8,806 + 2,36,648 - 4,40,725 - 2,756 + 3,00,216$$

ANSWER:

$$8,806 + 2,36,648 - 4,40,725 - 2,756 + 3,00,216$$

$$= 8,806 + 2,36,648 + 3,00,216 - 4,40,725 - 2,756$$

$$= 5,45,670 - 4,40,725 - 2,756$$

$$= 1,04,945 - 2,756$$

$$= \mathbf{1,02,189}$$



EXERCISE – 5 (B)

4. Simplify the following:

$$(d) 6,24,000 - 2,25,284 - 1,42,047 - 44,635$$

ANSWER:

$$6,24,000 - 2,25,284 - 1,42,047 - 44,635$$

$$= 6,24,000 - 2,25,284 - 1,42,047 - 44,635$$

$$= 3,98,716 - 1,42,047 - 44,635$$

$$= 2,56,669 - 44,635$$

$$= \mathbf{2,12,034}$$



LEARNING OUTCOME:

Students are able to understand the subtraction of large numbers and simplification.

THANKING YOU
ODM EDUCATIONAL GROUP