SESSION : 4

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 5

CHAPTER NAME : OPERATIONS ON LARGER NUMBERS
SUBTOPIC : Addition and Subtraction word problems
Exercise - 5 A Q. No 13 to 18

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

Students will be able to simplify multistep problems based on both addition and subtraction.
#They will be able to deal with complex calculations.

To solve Addition and Subtraction story sums , 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.

- Figure out exactly what the problem is asking for.

- **Decide** what to do.

- Eliminate the extra information.

- **Solve** the story sum.

- **Check** your answer.

- You can recall the following hints to remember the steps.

MAGIC WORDS

For Addition
Add
Altogether
Both
In all
Sum
Total

For Subtraction
Difference
Fewer

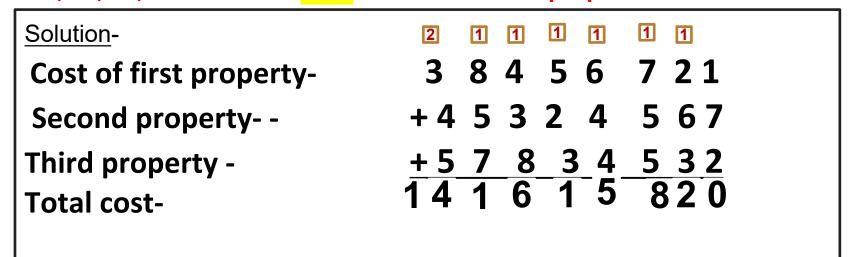How many more
Left

Less
Remains
Subtract.

Q.No-13 **The population of a city consists of 6, 32,41,682 male adults, 5 ,93, 24, 118 female adults and 1, 82, 345 children. Find the <mark>total</mark> population of the city.**

Solution-

	1		1		1		1	1			
Male-	6	3	2	4	1	6	8	2
Female-	+ 5	9	3	2	4	1	1	8
Children -	+		1	8	2	3	4	5
Total-	12	2	7	4	8	1	4	5

Ans- The total population of the city is 12, 27, 48, 145

<mark>Hint- Here the key word is ' Total'
Total means - Addition</mark>

Q.No-14 The cost of three properties are ₹ 3, 84,56,721 ; ₹ 4 ,53, 24, 567 and ₹ 5, 78, 34,532 . Find the <mark>total</mark> cost of the three properties.

Solution-

Cost of first property-

$$\begin{array}{c} \boxed{2} \quad \boxed{1} \quad \boxed{1} \quad \boxed{1} \quad \boxed{1} \quad \boxed{1} \quad \boxed{1} \end{array}$$

$$\begin{array}{ccccccc} & 3 & 8 & 4 & 5 & 6 & 7 & 2 & 1 \\ + & 4 & 5 & 3 & 2 & 4 & 5 & 6 & 7 \\ + & 5 & 7 & 8 & 3 & 4 & 5 & 3 & 2 \\ \hline 1 & 4 & 1 & 6 & 1 & 5 & 8 & 2 & 0 \end{array}$$

Second property- -
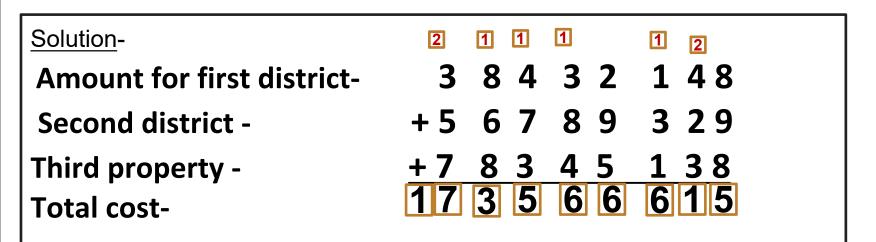
Third property -

Total cost-

Ans- The total cost of three properties is

₹ 14, 16, 15, 820

Q.No-15 The Govt. has allotted ₹ 3, 84,32,148 ; ₹ 5 ,67, 89, 329 and ₹ 7, 83, 45,138 for the social welfare schemes of three background districts. How much money was allotted <mark>altogether</mark>

Solution-

Amount for first district-

	²	¹	¹	¹		¹	²
	3	8	4	3	2	1	4 8

Second district -

+	5	6	7	8	9	3	2 9

Third property -

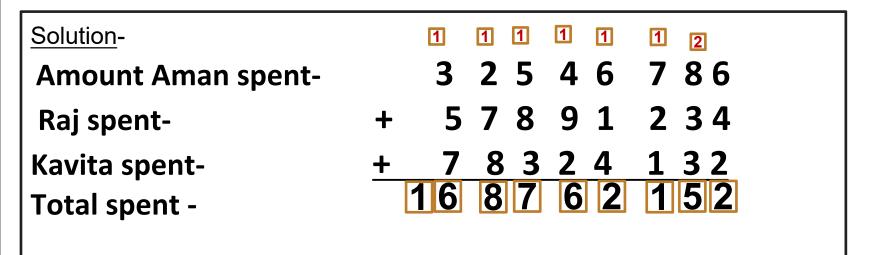|							
+	7	8	3	4	5	1	3 8

Total cost-

1 7 3 5 6 6 6 1 5

Ans- Total ₹ 17, 35, 66, 615 is allotted altogether.

Key word- Altogether
Together means- Addition

Q.No-16- Aman, Raj and Kavita spent ₹ 3, 25,46,786 ; ₹ 5 ,78, 91, 234 and ₹ 7, 83, 24,132 in a year. How much money did they spend in all ?

Solution-

	1	1	1	1	1	1	2
Amount Aman spent-	3	2	5	4	6	7	8 6
Raj spent-	+	5	7	8	9	1	2 3 4
Kavita spent-	+	7	8	3	2	4	1 3 2
Total spent -	16	8 7	6	2	1	5 2

Ans- They spent ₹ 16, 87, 62, 152 in all

Key word- In all
In all means- Addition

Q.No-17 The income tax collected from four firms in a year were ₹ 3, 24, 56, 783; ₹ 8, 32, 45,132; ₹ 2,13,23,485 and ₹ 1,03,24,567.How much tax did they pay altogether ?

Solution- **Total tax they paid is-**

$$
\begin{array}{r}
\overset{1}{3}\ \ \overset{1}{2}\,4\ \ \overset{1}{5}\,\overset{1}{6}\ \ \overset{2}{7}\,\overset{1}{8}\,3 \\
+\ 8\ \ 3\,2\ \ 4\,5\ \ \ 1\,3\,2 \\
+\ 2\ \ 1\,3\ \ 2\,3\ \ \ 4\,8\,5 \\
+\ 1\ \ 0\,3\ \ 2\,4\ \ \ 5\,6\,7 \\
\hline
1\,4\ \ 7\,3\ \ 4\,9\ \ \ 9\,6\,7
\end{array}
$$

Ans- They paid ₹ 14, 73, 49, 967 altogether.

Q.No- 18- (Discussion)

In 2015, 83, 78, 569 people visited a restaurant. How ever in 2016,   8,46, 374 <mark>less</mark> people visited that restaurant. How many people visited the restaurant in 2016?

LEARNING OUTCOME

Students are be able to

❖   Simplify multistep word problems based on both addition and subtraction of larger numbers.

❖   They are be able to deal with complex calculations.

HOME WORK

Complete exercise - 5 A
Q. No 13 to 21 in the note booK

THANKING YOU
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