

SESSION : 3
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 4
CHAPTER NAME : ADDITION
SUBTOPIC : REVISION, EXERCISE- 4 A

CHANGING YOUR TOMORROW

ADDITION

EXERCISE – 4 (A)

1. Add the following :

(a)	①	①	①	①	
	2	5	2	1	8
+	1	7	7	8	2
<hr/>					
	4	3,	0	0	0
<hr/>					



ADDITION

EXERCISE – 4 (A)

1. Add the following :

(b)	①	①		①	
	4	2	4	5	3
+	1	8	6	1	8
<hr/>					
	6	1,	0	7	1
<hr/>					

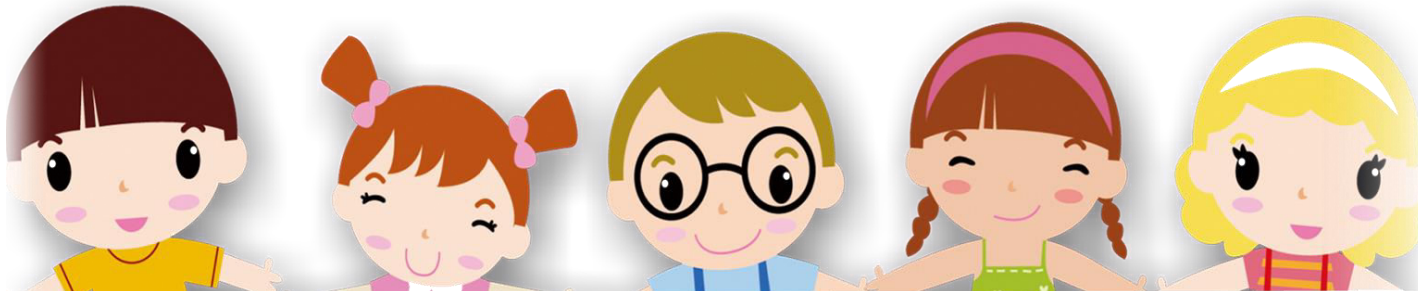


ADDITION

EXERCISE – 4 (A)

1. Add the following :

(c)	①	①	①		
	5	5	5	8	3
+	1	9	9	2	6
<hr/>					
	7	5,	5	0	9
<hr/>					



ADDITION

EXERCISE – 4 (A)

1. Add the following :

(d)	$\textcircled{1}$	$\textcircled{1}$	$\textcircled{1}$	$\textcircled{1}$	
	2	8	2	1	7
+		8	7	9	8
<hr/>					
	3	7,	0	1	5
<hr/>					



ADDITION

EXERCISE – 4 (A)

1. Add the following :

(e)	①	①			
	5	1	5	0	2
+	2	9	7	9	6
<hr/>					
	8	1,	2	9	8
<hr/>					



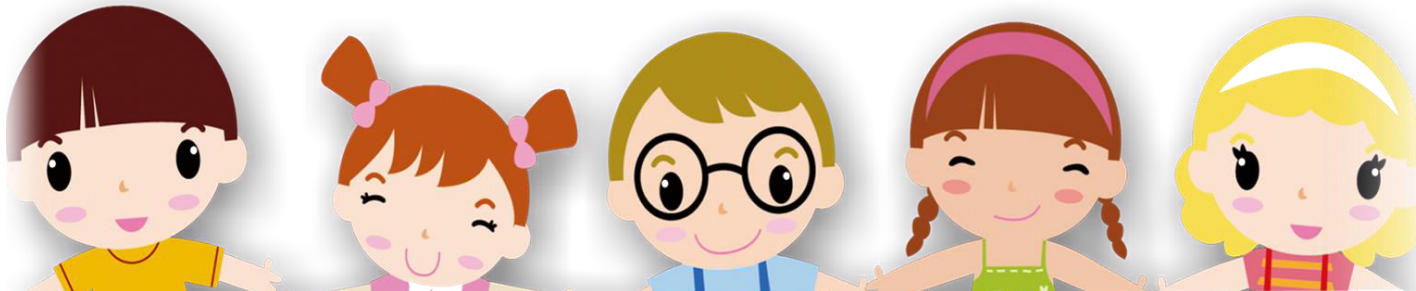
ADDITION

EXERCISE – 4 (A)

1. Add the following :

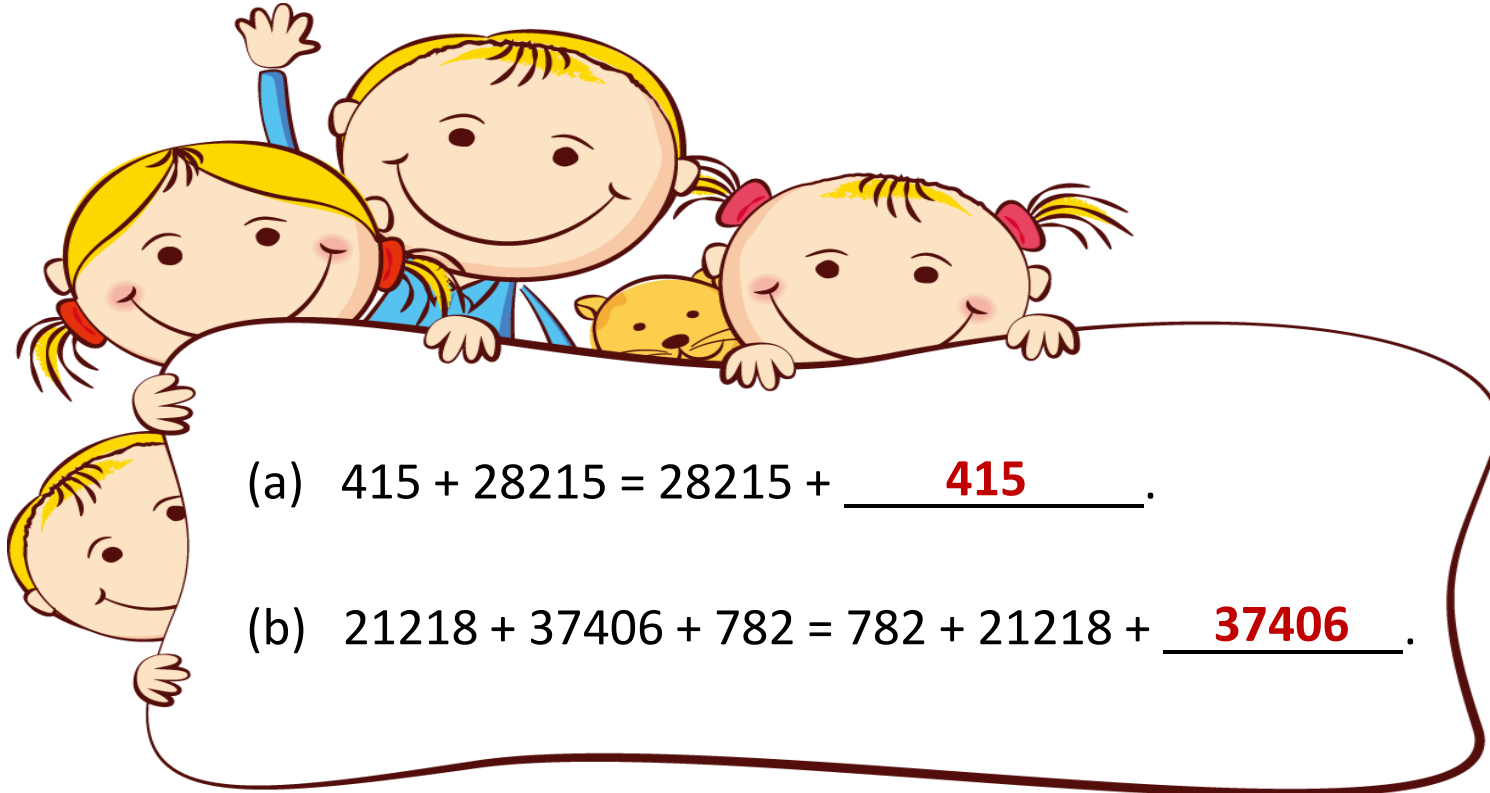
(f)

	1	0	①	4	0
+		7	2	8	5
<hr/>					
	1	7,	3	2	5
<hr/>					



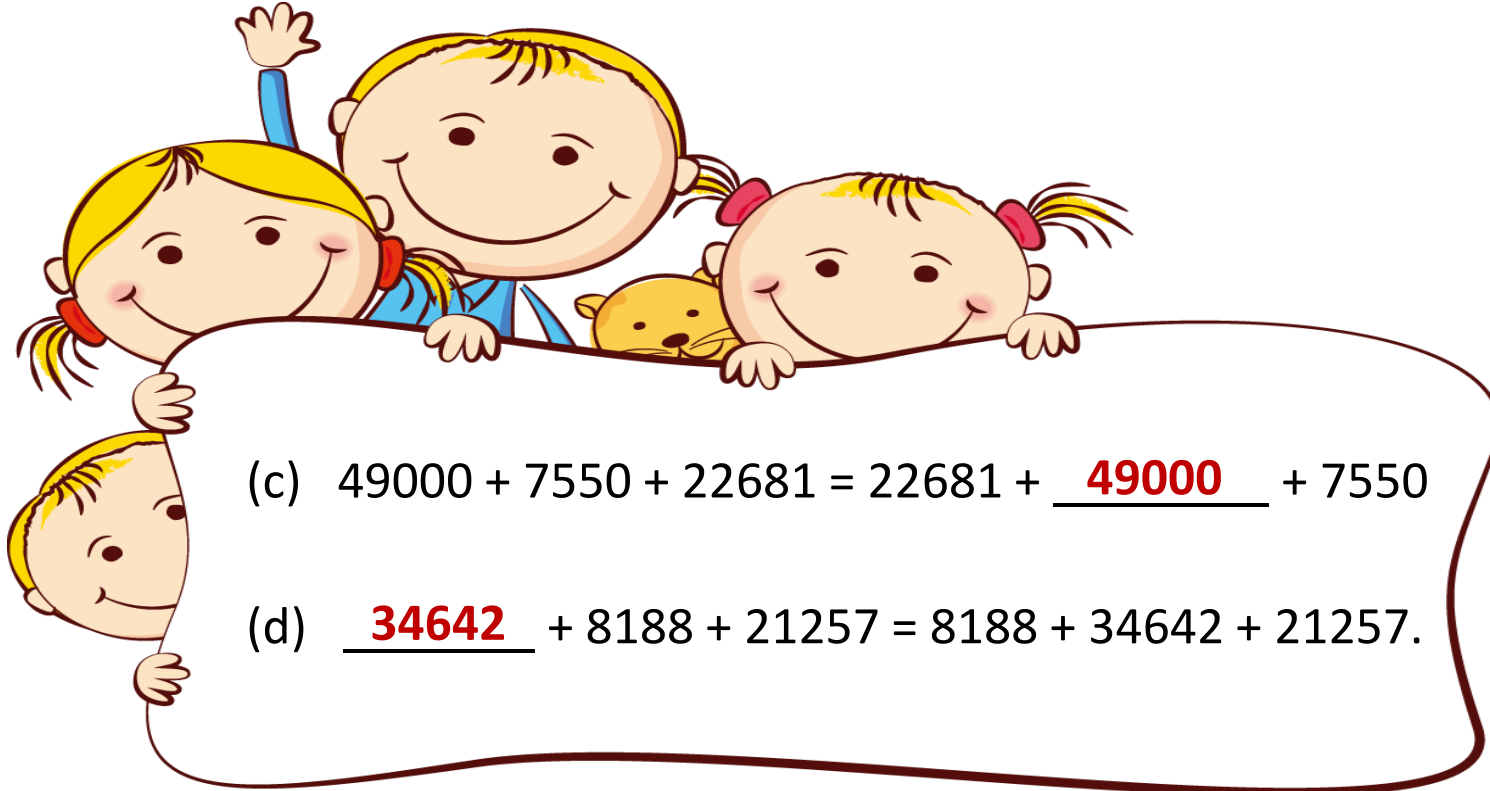
EXERCISE – 4 (A)

2. Recall the properties of addition and fill in the blanks :



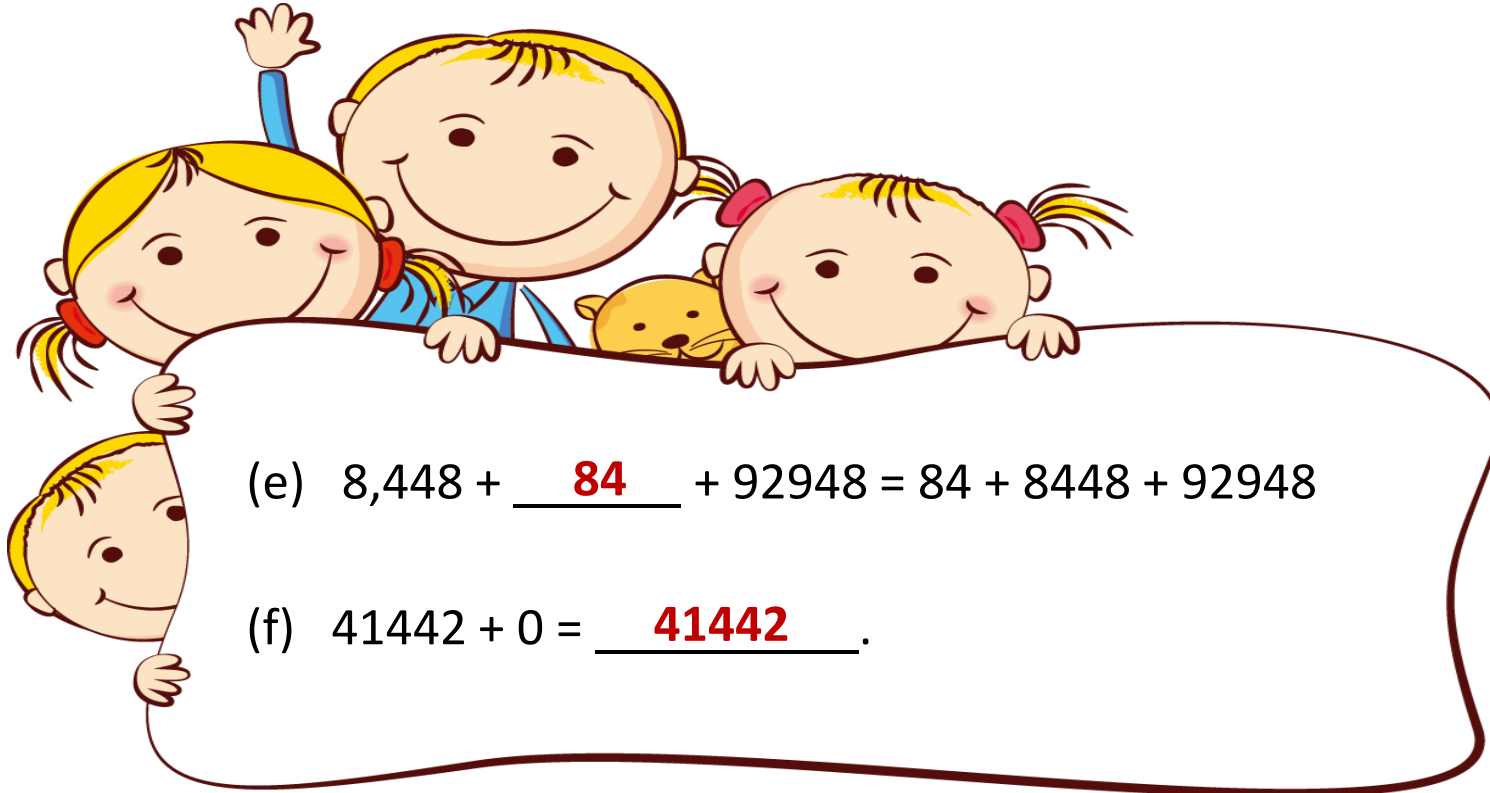
EXERCISE – 4 (A)

2. Recall the properties of addition and fill in the blanks :



EXERCISE – 4 (A)

2. Recall the properties of addition and fill in the blanks :

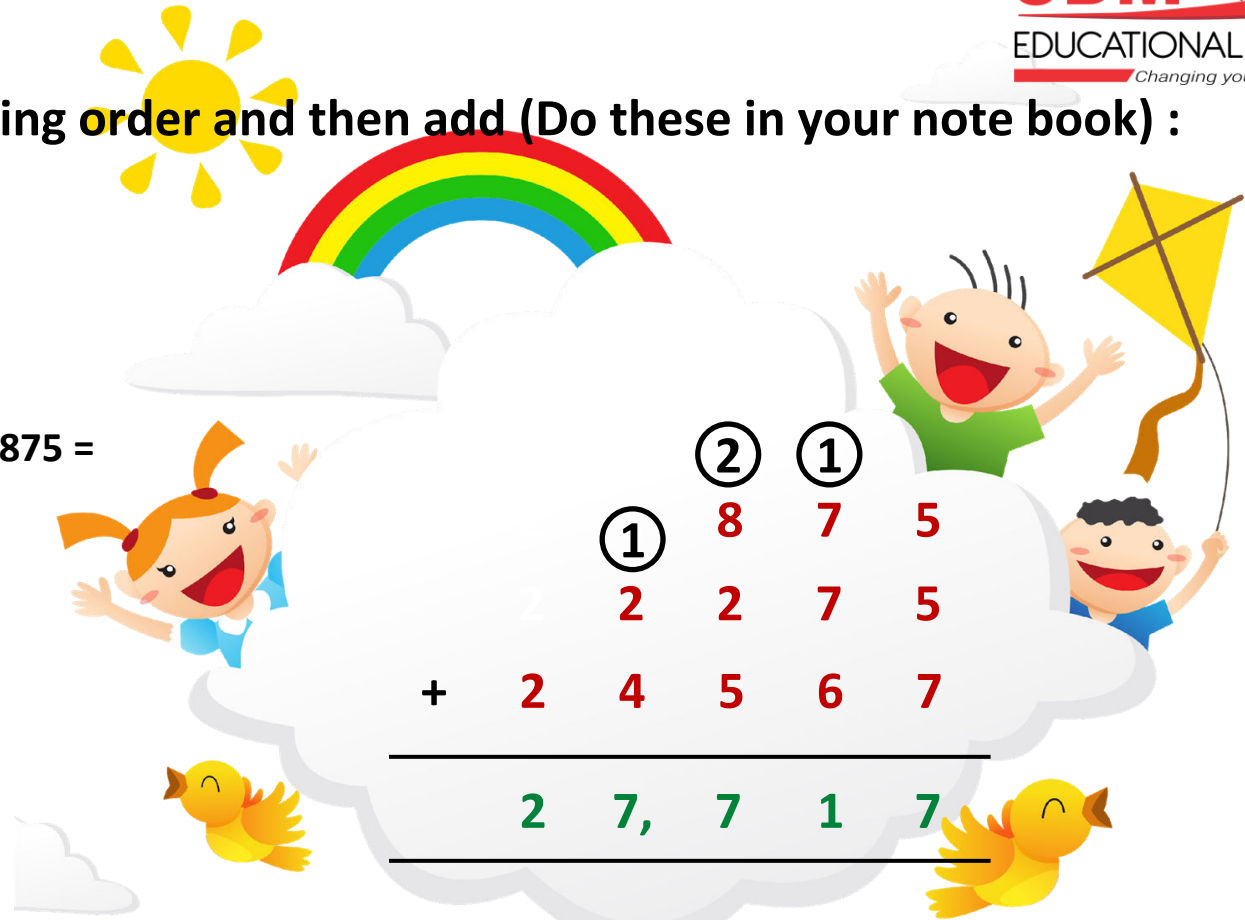


ADDITION

EXERCISE – 4 (A)

3. Arrange in ascending order and then add (Do these in your note book) :

(a) $2275 + 24567 + 875 =$



2275
+ 24567

27,717

① 2 ① 8 ① 7 5
2 2 2 7 5
+ 2 4 5 6 7

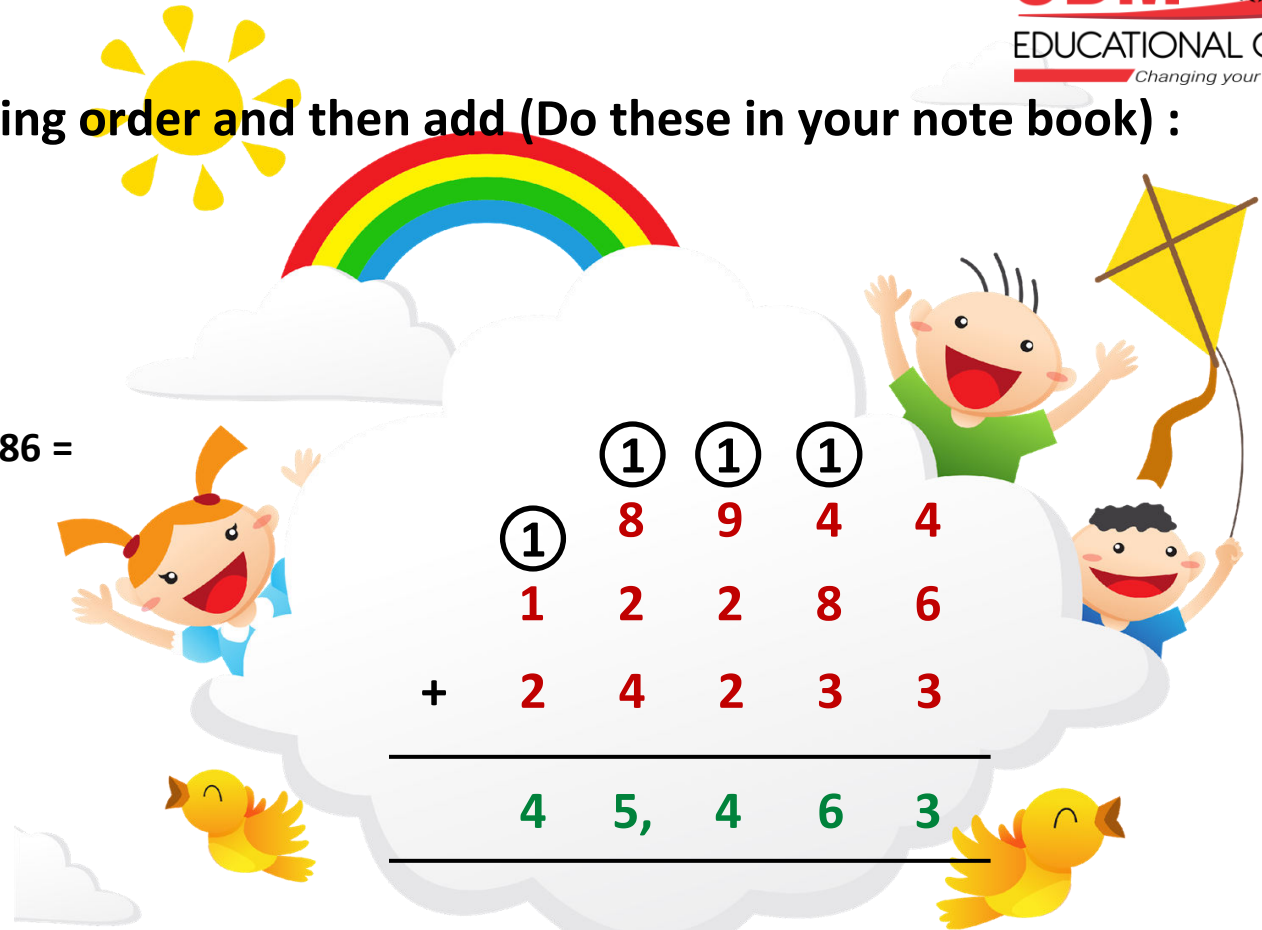
2 7, 7 1 7

ADDITION

EXERCISE – 4 (A)

3. Arrange in ascending order and then add (Do these in your note book) :

(b) $24233 + 8944 + 12286 =$



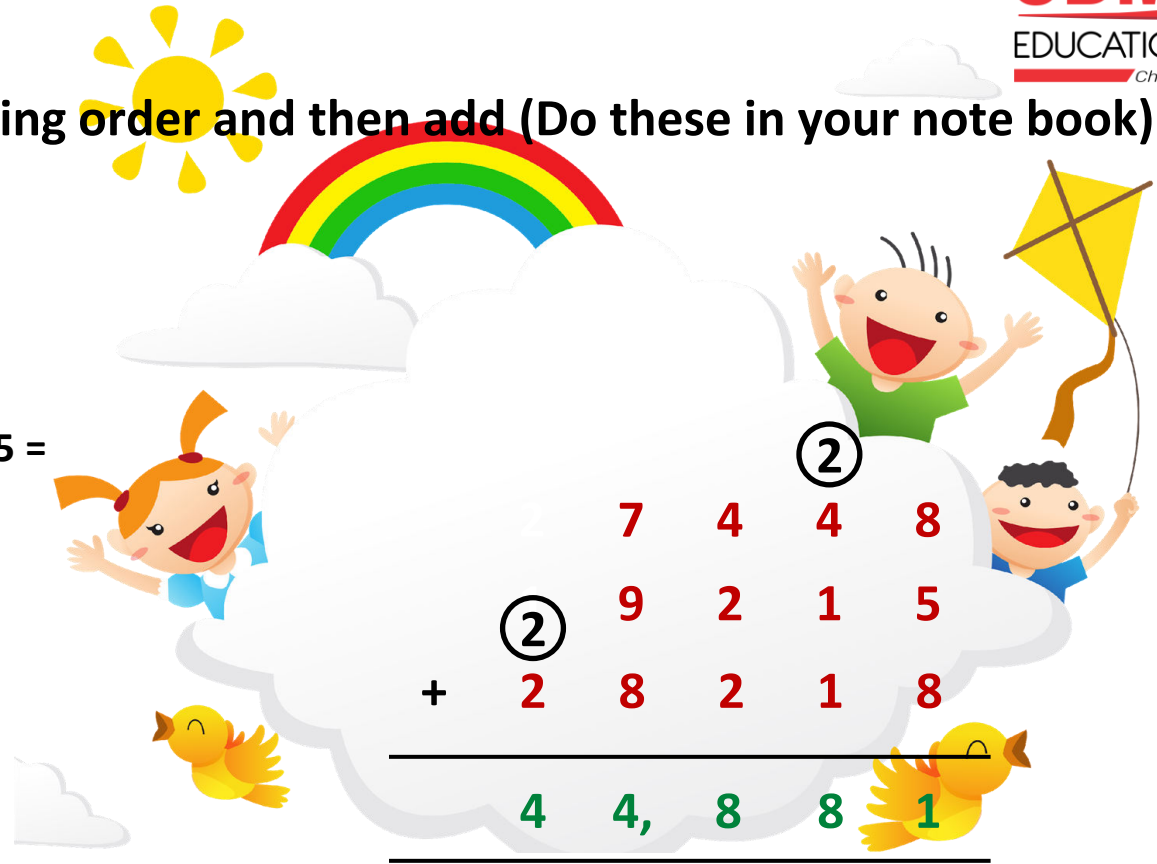
	①	①	①		
	1	8	9	4	4
	1	2	2	8	6
+	2	4	2	3	3
<hr/>					
	4	5,	4	6	3
<hr/>					

ADDITION

EXERCISE – 4 (A)

3. Arrange in ascending order and then add (Do these in your note book) :

(c) $28218 + 7448 + 9215 =$



2 7 4 4 8
+ 2 8 2 1 5

4 4, 8 8 1

The illustration shows a large white cloud with a rainbow arching over it. A sun is in the top left, and a kite is in the top right. Three children are playing on the cloud: a girl on the left, a boy on the right holding a yellow kite, and another child in the center. Two yellow chicks are flying near the bottom of the cloud. The addition problem is written on the cloud, with circled '2's above the tens and hundreds columns. The result is written below a horizontal line, with commas after the first two digits.

ADDITION

EXERCISE – 4 (A)

3. Arrange in ascending order and then add (Do these in your note book) :

(d) $98236 + 3908 + 70090 =$

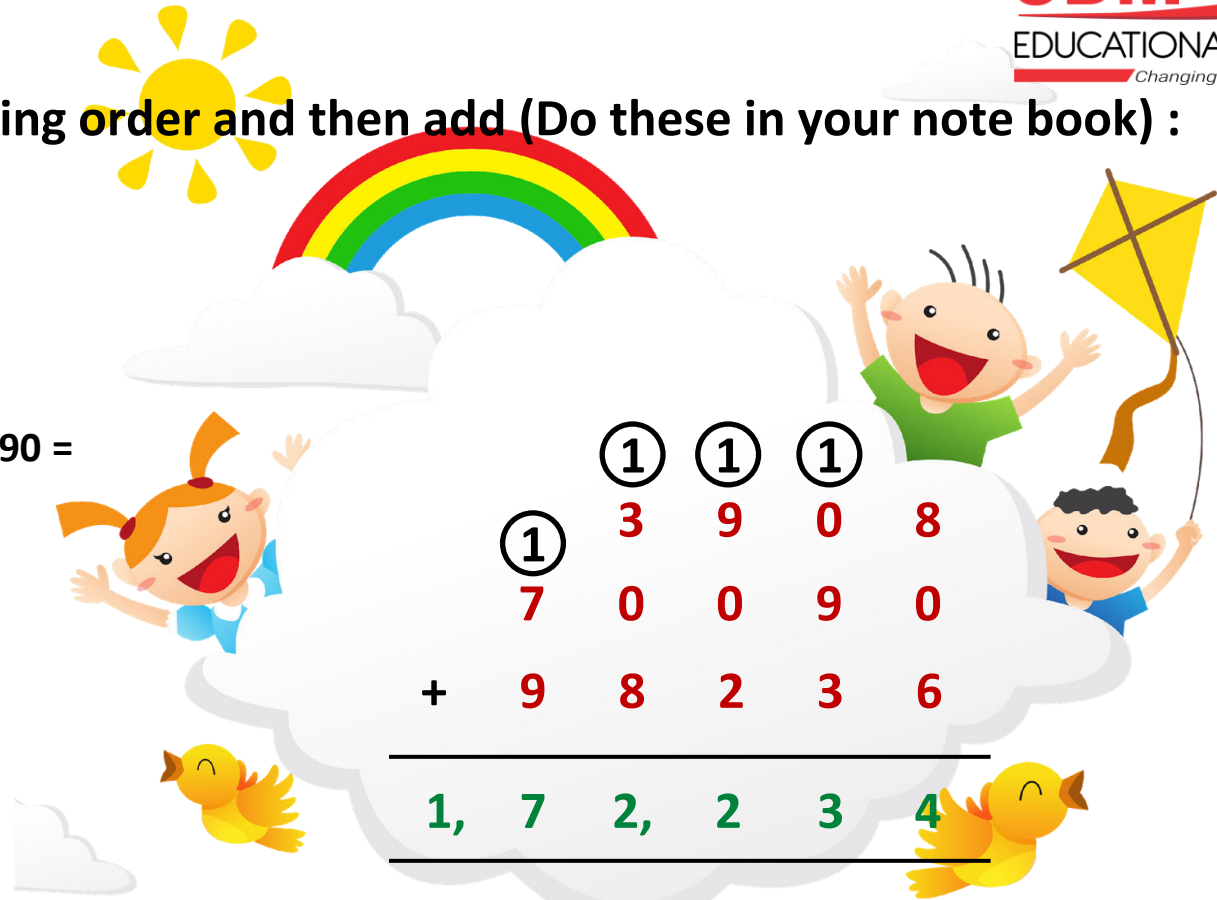


Illustration of children playing with a kite, a rainbow, and a sun.

	①	①	①			
	3	9	0	8		
	7	0	0	9	0	
+	9	8	2	3	6	
<hr/>						
	1,	7	2,	2	3	4
<hr/>						

ADDITION

EXERCISE – 4 (A)

3. Arrange in ascending order and then add (Do these in your note book) :

(e) $40428 + 6628 + 25240 + 88 =$

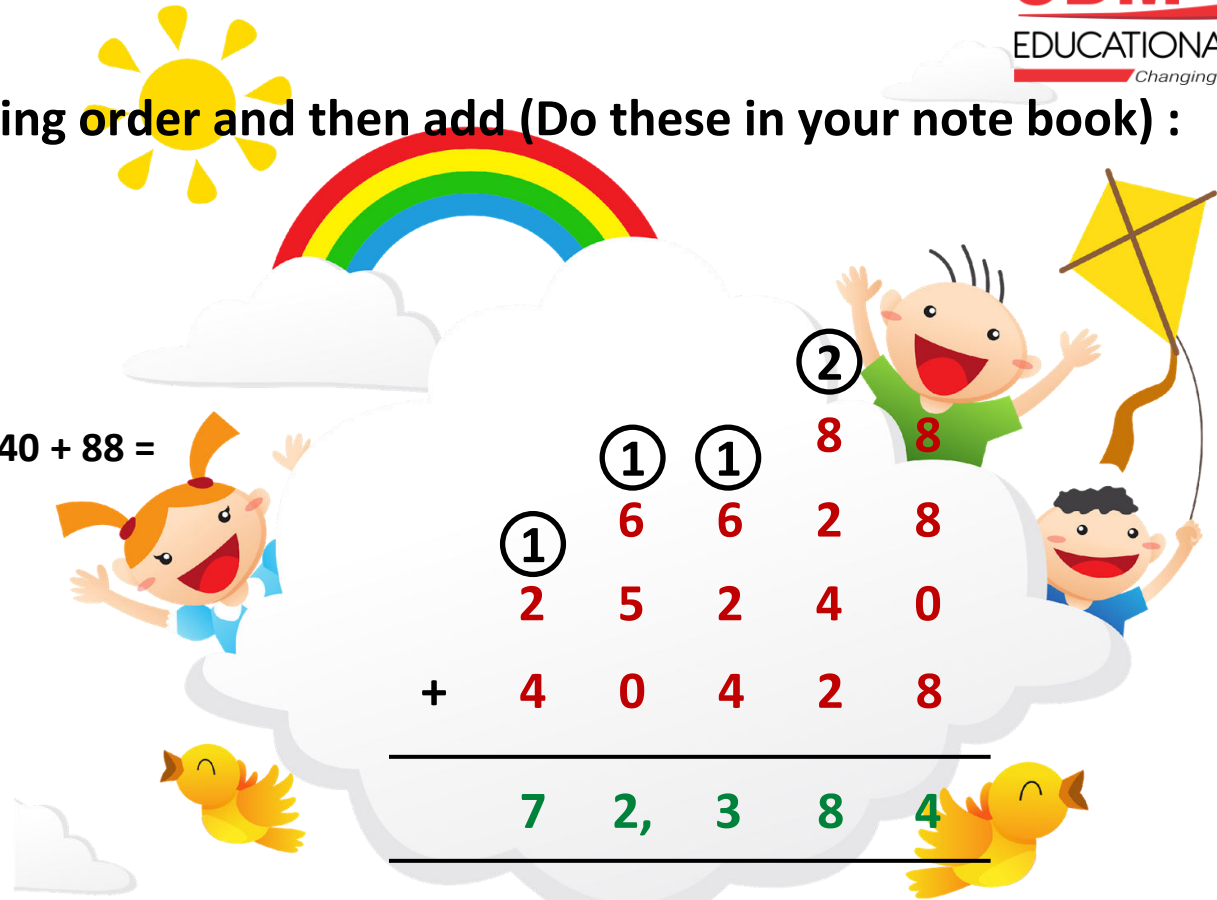


Illustration of children flying a kite, a rainbow, and a sun.

	①	①	②		
	6	6	8	8	
	2	5	2	4	0
+	4	0	4	2	8
<hr/>					
	7	2,	3	8	4
<hr/>					

HOME ASSIGNMENT:

- Complete Exercise – 4 A in your note book.

LEARNING OUTCOME:

Students are able to recall their previous knowledge about the concept of addition.

THANKING YOU
ODM EDUCATIONAL GROUP

SESSION : 4
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 4
CHAPTER NAME : ADDITION
**SUBTOPIC : PROPERTIES OF ADDITION AND
ADDITION OF LARGE NUMBERS,
EXERCISE- 4 B Q.NO. 1**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to understand the properties of addition and addition of large numbers.

Properties of Addition

1. Order property or commutative property :

Sum of two numbers remain the same even if the order, in which they are added, is changed.

Example :

$$384475 + 29580 = \mathbf{414055}$$

$$\text{Also, } 29580 + 384475 = \mathbf{414055}$$

$$\text{Thus, } 384475 + 29582 = \mathbf{29580 + 384475}$$



Properties of Addition

2. Addition of Zero :

If '0' is added to a number, we get the number itself.

Examples :

i) $893847 + 0 = 893847$

ii) $3754093 + 0 = 3754093$



Properties of Addition

3. **Grouping numbers are grouped or associative property :**

In whatever order three or more numbers are grouped for the purpose of addition, their sum remains the same.

Examples :

$$(532492 + 2600781) + 48900 = \mathbf{532492 + (2600781 + 48900)}$$

$$(532492 + 2600781) + 48900 = \mathbf{3133273 + 48900}$$

$$\text{Also, } 532492 + (2600781 + 48900) = \mathbf{532492 + 2649681 = 3182173}$$



Addition of Large Numbers

The numbers being added are called addends.

The result of addition is called the sum.

Step – 1 : Arrange the numbers in columns. Ones under ones, tens under tens and so on.

Step – 2 : Add the digits in each column. **(always start with ones)**. Take the carry over **(if any)** to the next column and add it with the digits in that column. Continue till the last column.

ADDITION

Addition of Large Numbers

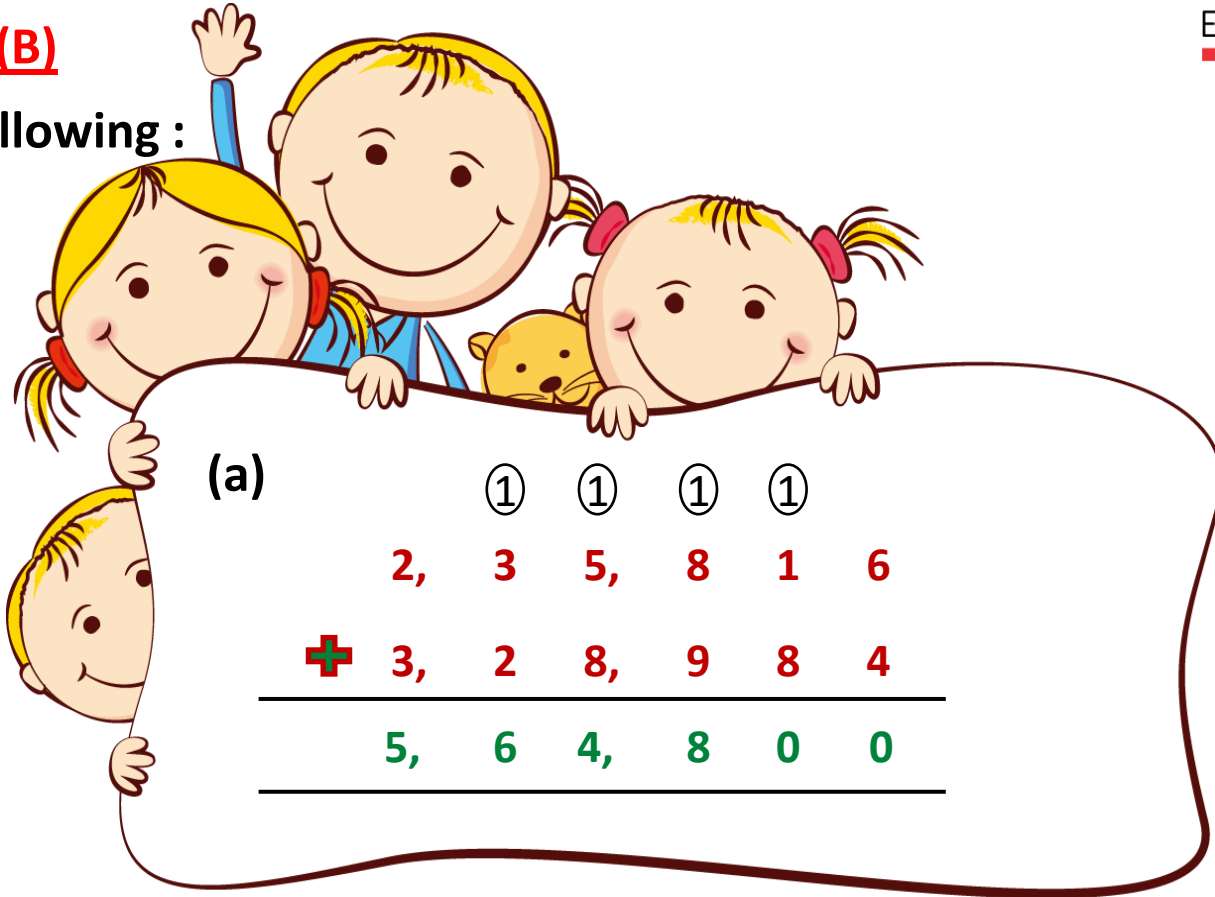
Examples : Add 6,26,405, 1,08,842 and 2,15,456

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



EXERCISE – 4 (B)

1. Add the following :

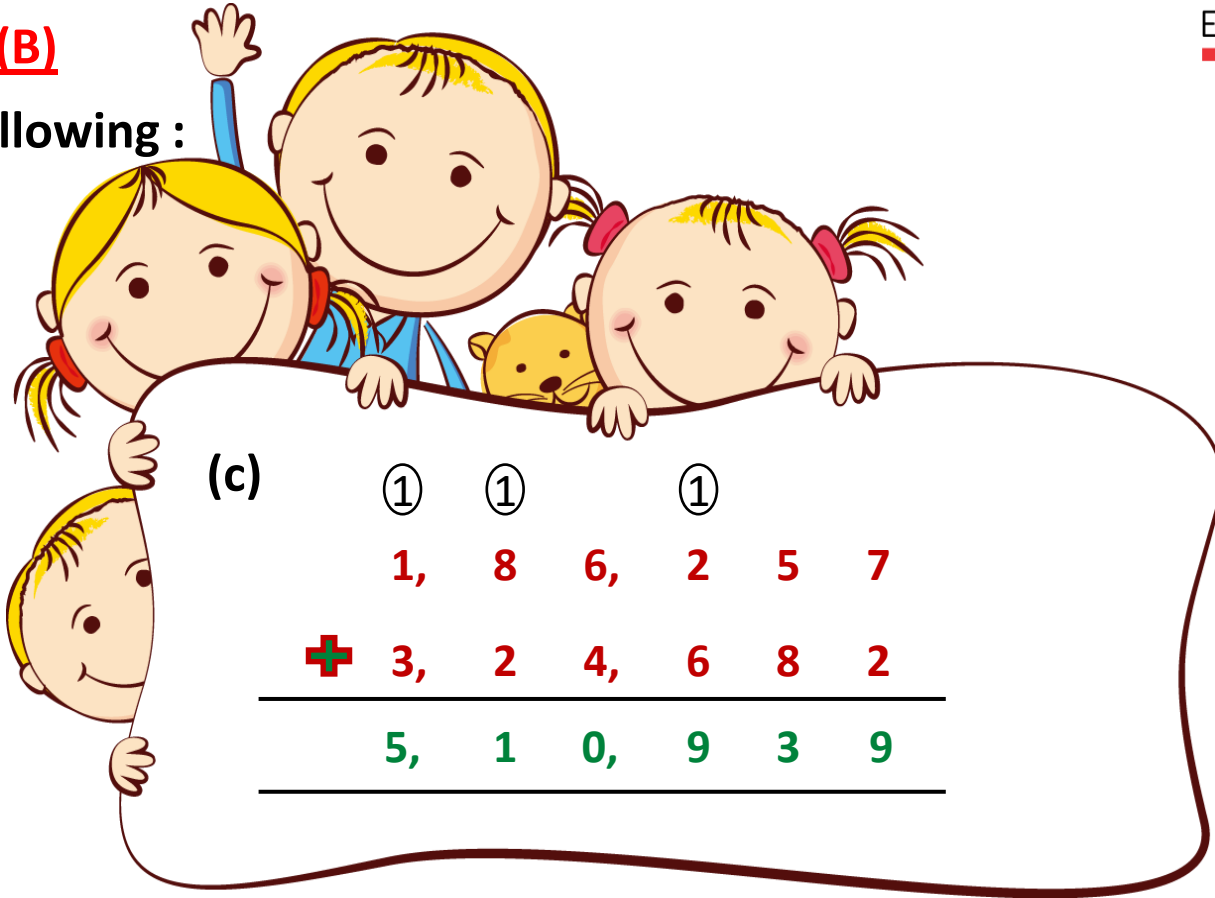


(a)

	①	①	①	①		
	2,	3	5,	8	1	6
+	3,	2	8,	9	8	4
<hr/>						
	5,	6	4,	8	0	0
<hr/>						

EXERCISE – 4 (B)

1. Add the following :

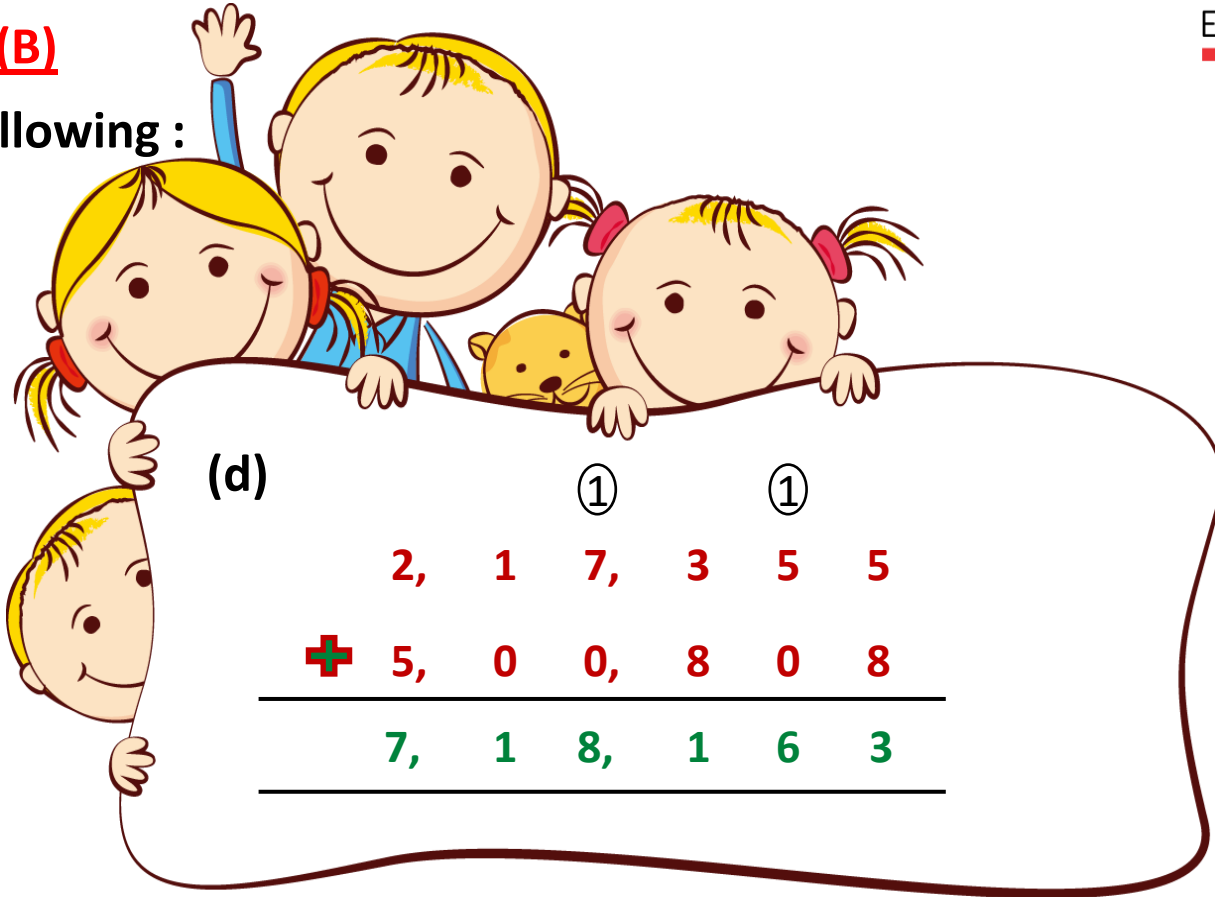


(c)

①	①		①			
1,	8	6,	2	5	7	
+	3,	2	4,	6	8	2
<hr/>						
5,	1	0,	9	3	9	
<hr/>						

EXERCISE – 4 (B)

1. Add the following :

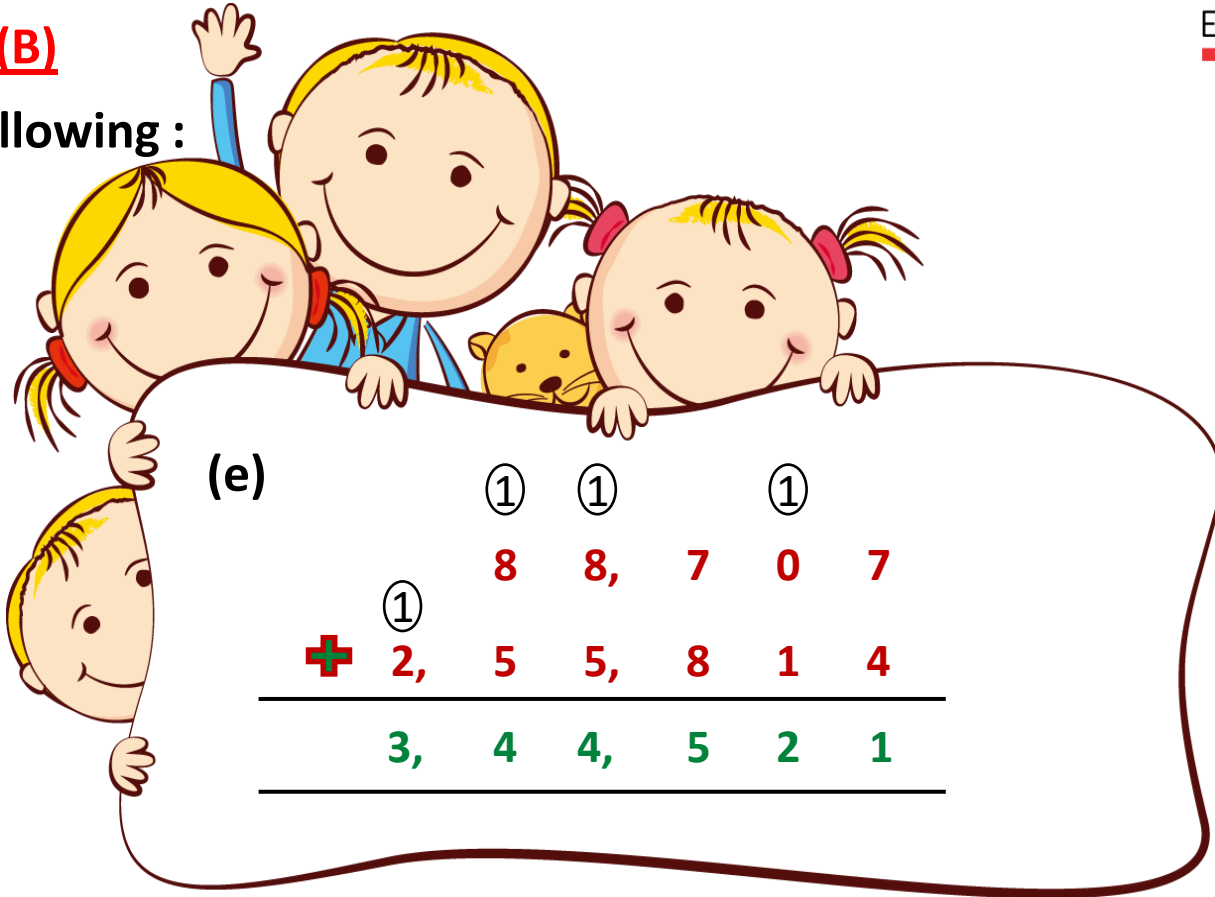


(d)

		①		①		
	2,	1	7,	3	5	5
+	5,	0	0,	8	0	8
<hr/>						
	7,	1	8,	1	6	3
<hr/>						

EXERCISE – 4 (B)

1. Add the following :



(e)

	①	①		①			
	8	8,	7	0	7		
①	+	2,	5	5,	8	1	4
<hr/>							
	3,	4	4,	5	2	1	
<hr/>							

HOME ASSIGNMENT:

- **Complete Exercise – 4 B Q.NO. 1 in the notebook.**

LEARNING OUTCOME:

Students are able to know the properties of addition and addition of large numbers.

THANKING YOU
ODM EDUCATIONAL GROUP

SESSION : 5
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 4
CHAPTER NAME : ADDITION
SUBTOPIC : EXERCISE- 4 B Q.NO. 2 & 3

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to learn more about the addition of large numbers.

ADDITION

EXERCISE – 4 (B)

2. Arrange in columns and add (so these in your note book) :

(a) $2,38,657 + 48,527 + 61,26,715$



	①	②	①		①		
	2,	3	8,	6	5	7	
		4	8,	5	2	7	
+	6	1,	2	6,	7	1	5
<hr/>							
	6	4,	1	3,	8	9	9
<hr/>							



ADDITION

EXERCISE – 4 (B)

2. Arrange in columns and add (so these in your note book) :

(b) $73,05,209 + 7,708 + 18,945 + 718$



		②	②		③	
7	3,	0	5,	2	0	9
		4	7,	7	0	8
		1	8,	9	4	5
				7	1	8
<hr/>						
7	3,	3	2,	5	8	0
<hr/>						

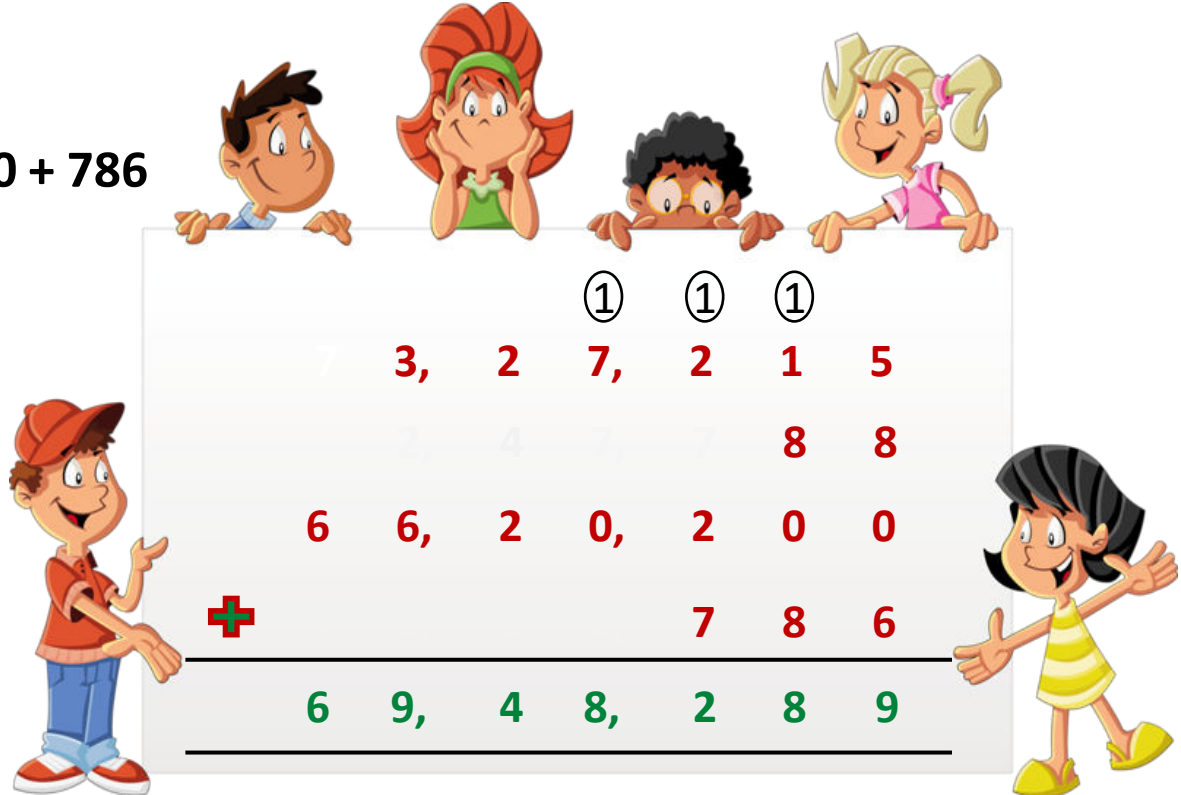


ADDITION

EXERCISE – 4 (B)

2. Arrange in columns and add (so these in your note book) :

(c) $3,27,215 + 88 + 66,20,200 + 786$



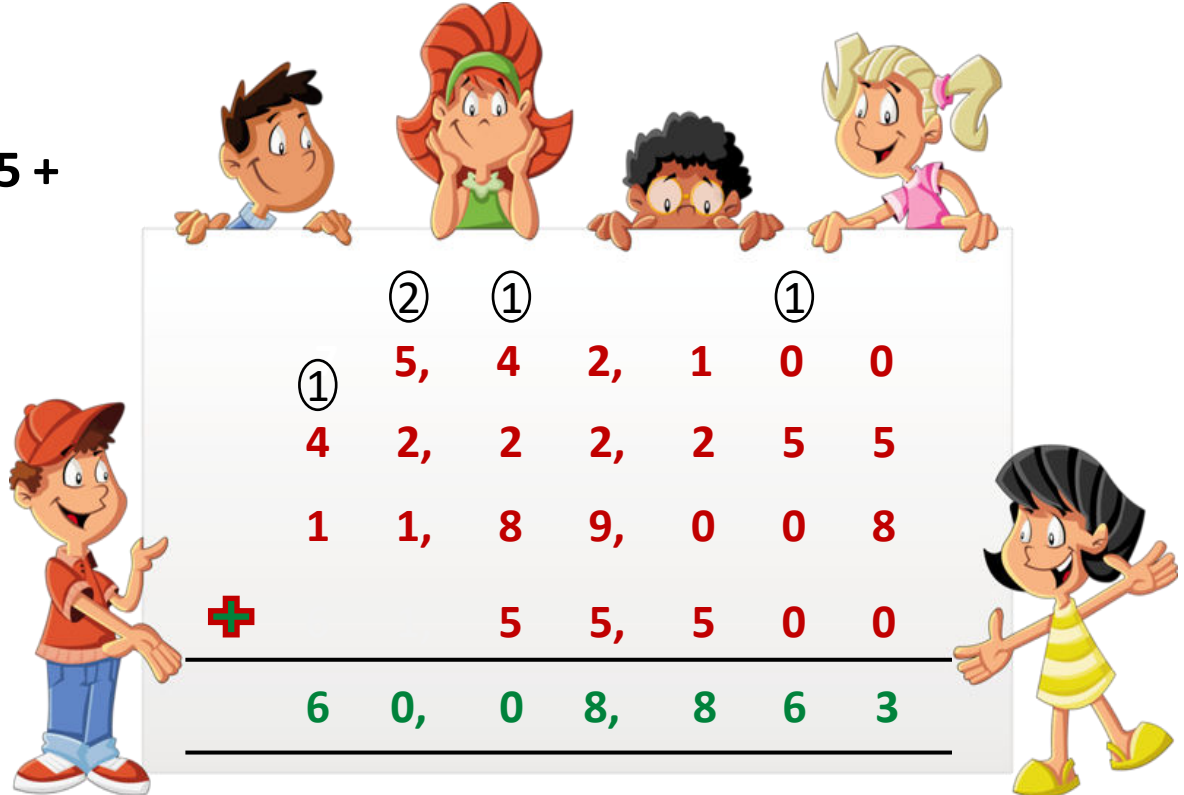
			①	①	①	
7	3,	2	7,	2	1	5
2	4	7	7	8	8	
6	6,	2	0,	2	0	0
				7	8	6
<hr/>						
6	9,	4	8,	2	8	9
<hr/>						

ADDITION

EXERCISE – 4 (B)

2. Arrange in columns and add (so these in your note book) :

(d) $5,42,100 + 42,22,255 +$
 $11,89,008 + 55,500$



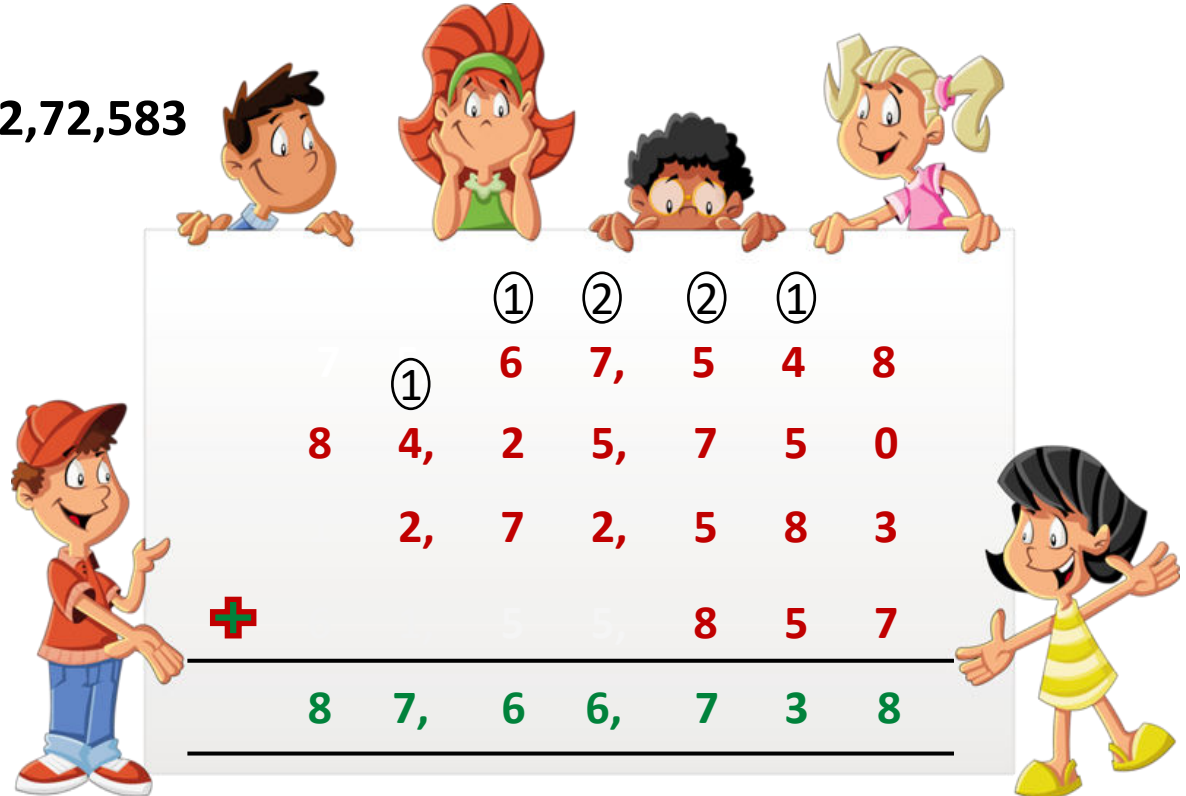
	②	①			①		
	5,	4	2,	1	0	0	
①	4	2,	2,	2	5	5	
	1	1,	8	9,	0	0	8
	+		5	5,	5	0	0
	<hr/>						
	6	0,	0	8,	8	6	3
	<hr/>						

ADDITION

EXERCISE – 4 (B)

2. Arrange in columns and add (so these in your note book) :

(e) $67,548 + 84,25,750 + 2,72,583 + 857$



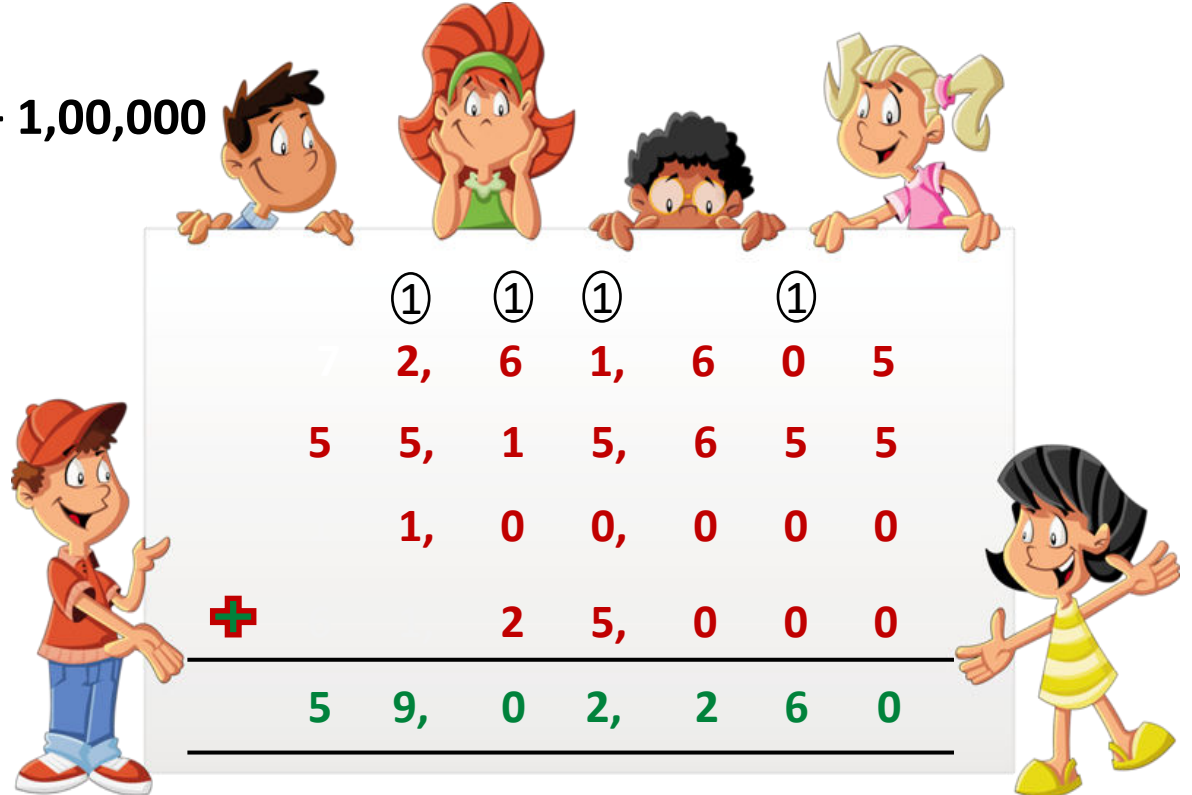
	①	②	②	①			
7	6	7,	5	4	8		
8	4,	2	5,	7	5	0	
	2,	7	2,	5	8	3	
+	5	5,	8	5	7		
<hr/>							
	8	7,	6	6,	7	3	8
<hr/>							

ADDITION

EXERCISE – 4 (B)

2. Arrange in columns and add (so these in your note book) :

(f) $2,61,605 + 55,15,655 + 1,00,000$
 $+ 25,000$

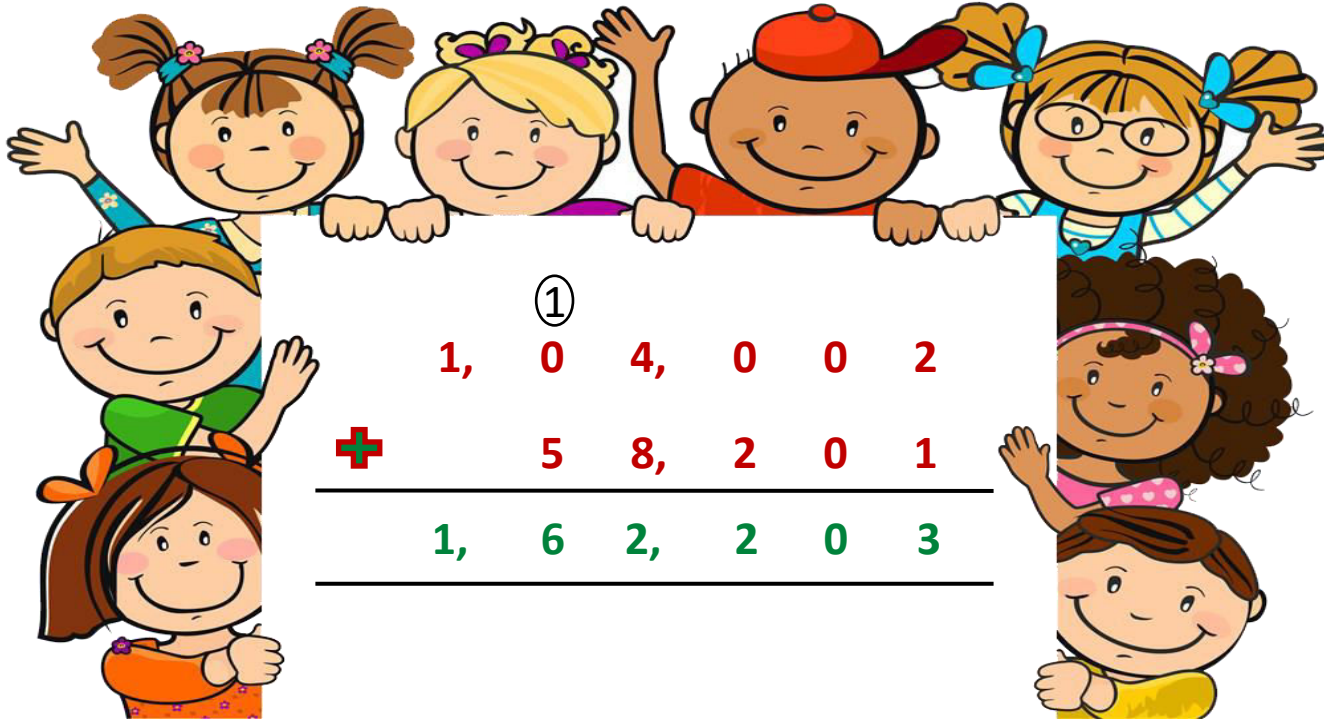


	①	①	①		①	
	2,	6	1,	6	0	5
5	5,	1	5,	6	5	5
1,	0	0,	0	0	0	0
+		2	5,	0	0	0
<hr/>						
5	9,	0	2,	2	6	0
<hr/>						



3. Write the numerals for following number names and then add :

(a) One lakh four thousand two; and fifty-eight thousand two hundred one.

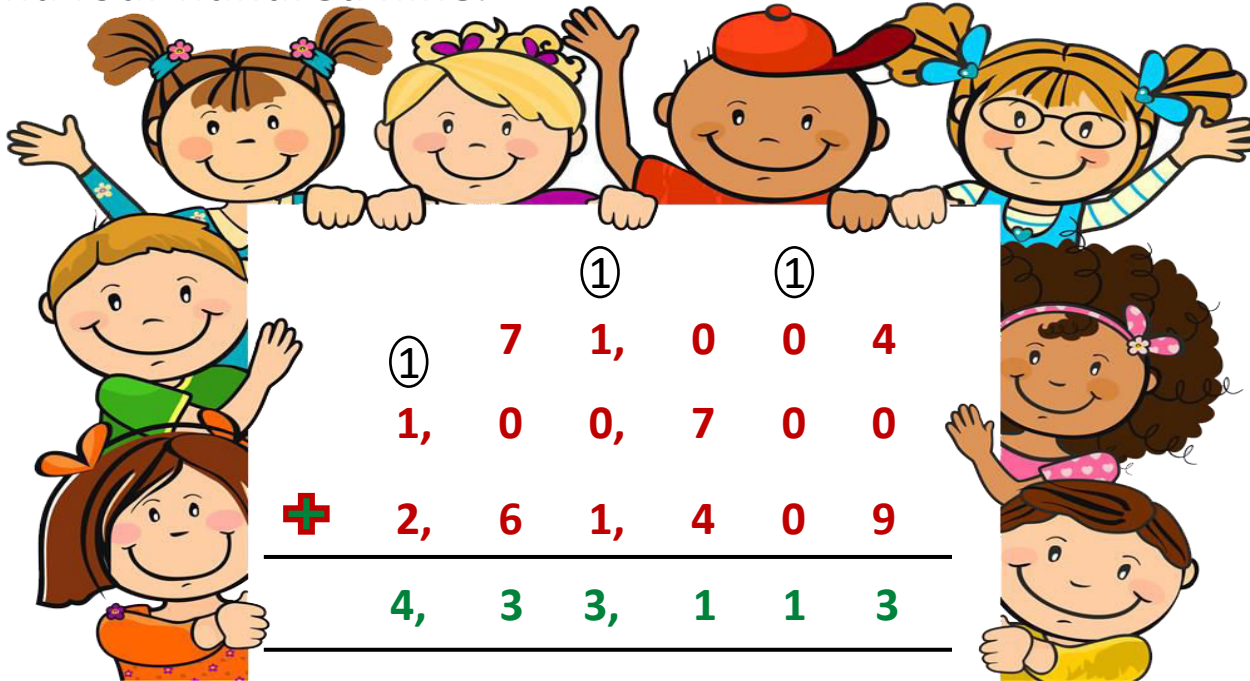


①

	1,	0	4,	0	0	2
+	5	8,	2	0	1	
<hr/>						
	1,	6	2,	2	0	3
<hr/>						

3. Write the numerals for following number names and then add :

(b) Seventy-one thousand four; one lakh seven hundred; and two lakh sixty-one thousand four hundred nine.



The children are holding a large white board with a math problem. The problem is:

		①		①		
	①	7	1,	0	0	4
	1,	0	0,	7	0	0
+	2,	6	1,	4	0	9
<hr/>						
	4,	3	3,	1	1	3

LEARNING OUTCOME:

Students are able to understand how to add the large numbers.

THANKING YOU
ODM EDUCATIONAL GROUP

SESSION : 6
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 4
CHAPTER NAME : ADDITION
SUBTOPIC : WORD PROBLEMS ON ADDITION,
EXERCISE-4 C Q.NO. 1 TO 4

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to understand how to do the word problems of addition.

WORD PROBLEMS ON ADDITION

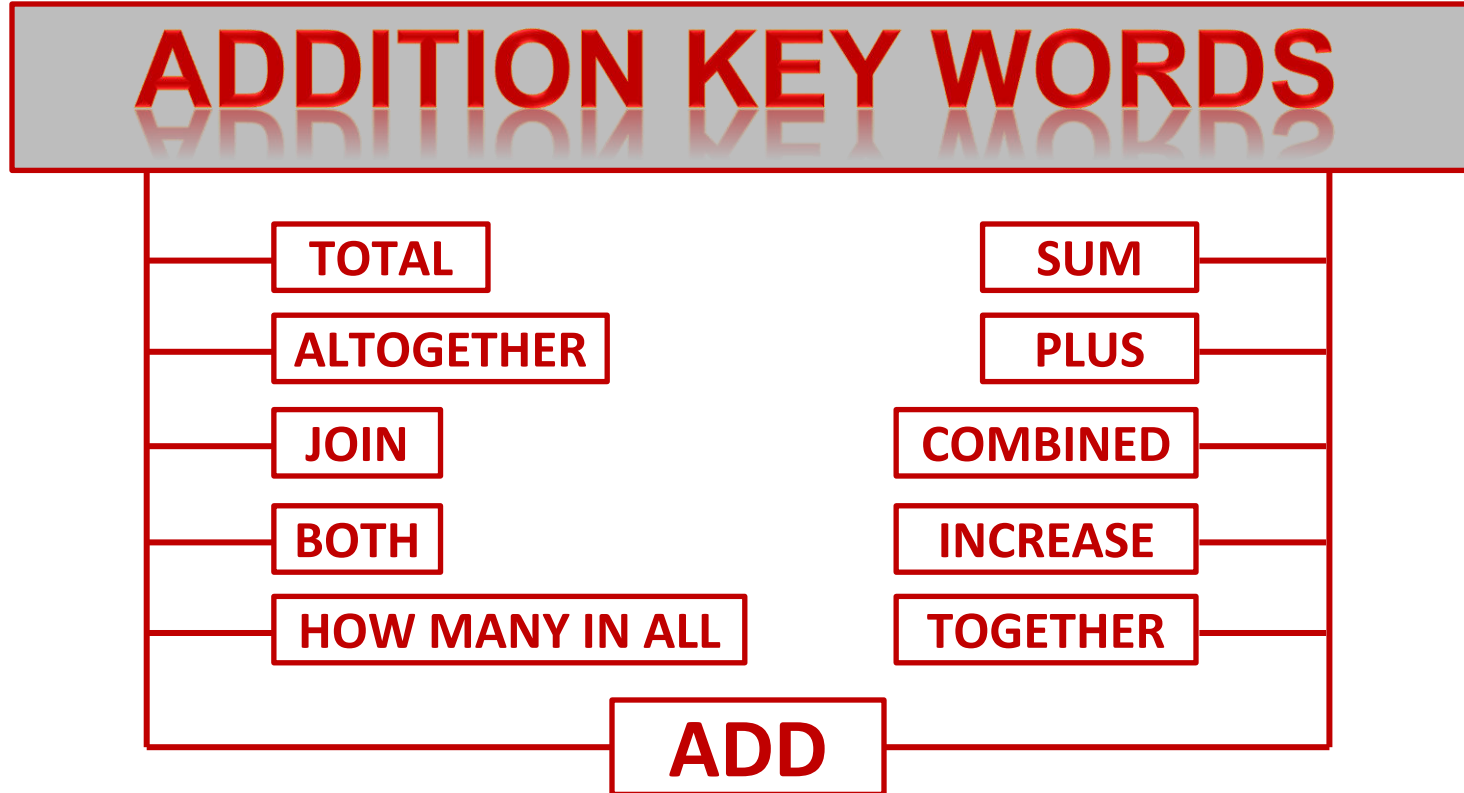
5 steps should be followed while solving the story sums

- 1. Read the question and find out the known facts.**
- 2. Find out the unknown facts (what do you need to know).**
- 3. Find out which operation you will follow to solve the problem.**
- 4. Solve the problem and write the answer in sentence.**
- 5. Check the answer.**



WORD PROBLEMS ON ADDITION

There are some key words for addition word problems.



ADDITION

EXERCISE – 4 (C)

1. Company A has 26,751 workers and company B has 25,421 workers. What is the total number of workers in the two companies?



ADDITION

ANSWER

Number of workers in Company A = **26,751**

Number of workers in Company B = **25,421**

Total number of workers in Company A and B = **26,751 + 25,421 =**

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \\ 26,751 \\ + 25,421 \\ \hline 52,172 \end{array}$$

Thus, the total number of workers in the two companies is **52,172**.



ADDITION

EXERCISE – 4 (C)

2. A cafe sold 3,63,581 pastries and 3,57,460 burgers in a year. Altogether how many of these 2 items did the cafe sell?



ADDITION

ANSWER

A cafe sold total number of pastries = **3,63,581**

same cafe sold total number of burgers = **3,57,460**

The Cafe sold 2 items = **3,63,581 + 3,57,460 =**

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

Altogether **7,21,041** of these 2 items the cafe sold.



ADDITION

EXERCISE – 4 (C)

3. A factory produced 2,37,121 washing machine in the first year and 3,52,631 washing machines in the second year. How many washing machines were produced in two year together?



ADDITION

ANSWER

A factory produced washing machine in first year = **2,37,121**

A factory produced washing machine in second year = **3,52,631**

Total washing machine produced in two years = **2,37,121 + 3,52,631 =**

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

Total **5,89,752** washing machine were produced in these two year together.



ADDITION

EXERCISE – 4 (C)

4. A publisher sells 3,43,851 books of Hindi 8,26,551 books of English and 7,32,151 book of mathematics. Find the total number of books sold by the publisher.



ADDITION

ANSWER

A publisher sells books of Hindi = **3,43,851**

A publisher sells books of English = **8,26,551**

A publisher sells books of Mathematics = **7,32,151**

The total number of books sells by the publisher = **3,43,851 + 8,26,551 + 7,32,151 =**

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \\ 3, \quad 4 \quad 3, \quad 8 \quad 5 \quad 1 \\ 8, \quad 2 \quad 6, \quad 5 \quad 5 \quad 1 \\ + 7, \quad 3 \quad 2, \quad 1 \quad 5 \quad 1 \\ \hline 19, \quad 0 \quad 2, \quad 5 \quad 5 \quad 3 \\ \hline \end{array}$$

Therefore **19,02,553** number of books sold by the publisher.



HOME ASSIGNMENT:

- Do Exercise- 4 C Q.NO. 5 in your notebook.

LEARNING OUTCOME:

Students are able to understand how to do the word problems of addition.

THANKING YOU
ODM EDUCATIONAL GROUP

SESSION : 7
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 4
CHAPTER NAME : ADDITION
**SUBTOPIC : WORD PROBLEMS ON ADDITION,
EXERCISE- 4 C Q.NO. 6 TO 9**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to understand how to do the story sums of addition.

ADDITION

EXERCISE – 4 (C)

5. 1,26,844 people saw a magic show on Saturday and 3,52,188 people saw it on Sunday. Find the total number of people who saw the magic show on these two days.



ADDITION

ANSWER

Number of people saw magic show on Saturday = **1,26,844**

Number of people saw magic show on Sunday = **3,52,188**

Total number of people saw the magic show in two days =
1,26,844 + 3,52,188 =

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

Hence, total **4,79,032** people saw the magic show on these two days.



ADDITION

EXERCISE – 4 (C)

6. Ramesh bought a painting worth Rs.1,45,006 and a bicycle worth Rs.15,280. How much money did Ramesh spend?



ADDITION

ANSWER

Ramesh bought a painting = Rs.1,45,006

Ramesh bought a bicycle = Rs.15,280

Total money spent by Ramesh = 1,45,006 + 15,280 =

$$\begin{array}{r} \textcircled{1} \\ 1, 45, 006 \\ + 15, 280 \\ \hline 1, 60, 286 \end{array}$$

So, Ramesh spent Rs.1,60,286 in total.



ADDITION

EXERCISE – 4 (C)

7. A shopkeeper sold 8,43,657 bags of sugar and 1,52,889 bags of flour. Find the number of bags that he sold in all.



ADDITION

ANSWER

Number of sugar bags sold by the shopkeeper = **8,43,567**

Number of flour bags sold by the shopkeeper = **1,52,889**

Total number of bags sold by the shopkeeper = **8,43,567 + 1,52,889 =**

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

Hence, the shopkeeper sold **9,96,456** number of bags in total.



ADDITION

EXERCISE – 4 (C)

8. Find the sum of the largest 5-digit number and the smallest 7-digit number.



ADDITION

ANSWER

Largest 5-digit number = **99,999**

Smallest 7-digit number = **10,00,000**

Sum of total two numbers = **99,999 + 10,00,000 =**

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

10,99,999 is the sum of the greatest 5-digit number and the smallest 7-digit number.



ADDITION

EXERCISE – 4 (C)

9. There are 8,46,817 cows, 6,32,381 buffaloes and 3,26,781 other cattle in a village. What is the total number of cattle in the village?



ADDITION

ANSWER

Number of cows in village = **8,46,817**

Number of buffaloes in village = **6,32,381**

Number of other cattle in village = **3,26,781**

Total number of cattle in village = **8,46,817 + 6,32,381 + 3,26,781 =**

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

The total number of cattle in the village is **18,05,979.**



LEARNING OUTCOME:

Students are able to understand how to do the story sums of addition.

THANKING YOU
ODM EDUCATIONAL GROUP