

Sub:- Maths

Class :- 5

Chapter :- 3 [Part - 1]

[Operation on large Numbers]

You are already familiar with four basic mathematical operations Addition, Subtraction, Multiplication and Division. Now, we shall perform the same operations on large numbers.

Addition ⇒

In earlier class, we have learnt the addition of 5 or 6-digit numbers. In the same way we add numbers having 7 or more digits.

Example [1]

Add: 3567438 and 2585367.

Solution:- Arrange the digits of the given numbers in column form and add columnwise, we get

	T-L	L	T-Th	Th	H	T	O	
	1	1	1		1	1		← Carry
	3	5	6	7	4	3	8	
+	2	5	8	5	3	6	7	
<hr/>								
	6	1	5	2	8	0	5	

Example:- [2] Find the sum of 23067540 and 36874580 and also write the sum in words.

Solution:- Arrange the digits of the given numbers in column form and add columnwise, we get

	C	TL	L	T-Th	Th	H	T	O
			1	1	1	1		
	2	3	0	6	7	5	4	0
+	3	6	8	7	4	5	8	0
	5	9	9	4	2	1	2	0

← carry

Hence, the sum of given numbers is 59942120.

The sum in words is "Five crore ninety nine lakh forty two thousand one hundred twenty."

Example:-3 Fill the missing digits in the box :-

Sol :-

	T-L	L	T-Th	Th	H	T	O
	4	□	3	□	8	□	□
+	4	1	3	7	□	4	7
	□	6	□	4	8	8	2

Exercise Time

1. Add :-

(a)
$$\begin{array}{r} 3658743 \\ + 8597864 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 7430542 \\ + 3597986 \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 3729805 \\ + 3651748 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 8765570 \\ + 974838 \\ \hline \end{array}$$

$$\begin{array}{r}
 \text{(e)} \quad 64573297 \\
 \quad \quad 8565473 \\
 \quad \quad + 287578 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{(f)} \quad 805976 \\
 \quad \quad 4035421 \\
 \quad \quad + 6284758 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{(g)} \quad 7356879 \\
 \quad \quad 45807365 \\
 \quad \quad \quad 273948 \\
 \quad \quad + 37640507 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{(h)} \quad 2354678 \\
 \quad \quad 87930041 \\
 \quad \quad \quad 281736 \\
 \quad \quad + 54834 \\
 \hline
 \end{array}$$

2. Find the sum of the following :-

(a) $135764827 + 1865432 + 721385$

(b) $62548734 + 297845 + 345108$

(c) $456705431 + 7850054 + 8790305$

3. Fill the correct digits in the box :-

$$\begin{array}{r}
 \text{(a)} \quad 56 \square 21 \\
 \quad \quad + \square 572 \\
 \hline
 \quad \quad \square 28 \square \square
 \end{array}$$

$$\begin{array}{r}
 \text{(b)} \quad 97865 \square \\
 \quad \quad + \square 95 \square 85 \\
 \hline
 \quad \quad 12 \square 38 \square 8
 \end{array}$$

$$\begin{array}{r}
 \text{(c)} \quad 479 \square 3 \square \\
 \quad \quad + \square 6 \square 2 \square 9 \\
 \hline
 \quad \quad 11 \square 0584
 \end{array}$$

$$\begin{array}{r}
 \text{(d)} \quad 97 \square 5 \square 2 \\
 \quad \quad + 2 \square 8564 \square \\
 \hline
 \quad \quad \square 8 \square 2 \square 19
 \end{array}$$

Word problems on Addition →

Example:- A company earned ₹ 24567185 in the year 2016. Next year the earning of the company increased by ₹ 6754987. How much did the company earn in the year 2017?

Solution:-

Earning of the company in year 2016 = ₹ 24567185
Increase in earning during the next year = ₹ 6754987
Earning of the company in year 2017 =
₹ 24567185 + ₹ 6754987
= ₹ 31322172

$$\begin{array}{r} 24567185 \\ + 6754987 \\ \hline 31322172 \end{array}$$

Hence,
the company earned in the year 2017 is ₹ 31322172.

Exercise Time

1. The difference between two numbers is 7654368. If the smaller number is 3568749, find the greater number.
2. A Number exceeds 5430581 by 74805017. What is the number?

3. A car company launched a new model. The company produced 13874 red cars, 8736 black cars, and 34567 white cars. How many cars were manufactured in all?
4. A factory produced 356748 cricket helmets and 472519 bike helmets in a year. Find the total number of helmets produced during the year.
5. A number exceeds 47356744 by 7485364. What is the number?
6. Last year three sugar factories in a town produced 28507870 bags, 35607356 bags, 108050739 bags respectively. How many bags in all were produced by all the three factories during last year?
7. In a town, there are 5564728 men, 4385879 women and 3859648 children. What is the total population of the town?
8. The population of U.P., Bihar and Haryana in 2015 was 220536748, 114468390 and 85467394 respectively. Find the total population of the three states in the year.