

Subject - Math

Chapter - Addition

Addition without Carry Over

Arrange the digits of given numbers in columns.

⇒ Now, start adding with the ones, then move on to the tens, then Hundred then Thousands, then Ten thousands and then Lakhs.

⇒ What we get after addition is called the sum.

Q1- Add the following

T-Th	Th	H	T	O		T-Th	Th	H	T	O
3	3	5	2	6		6	0	3	0	5
+ 4	1	3	2	3		+ 2	0	3	5	4

	L	T-Th	Th	H	T	O
	4	5	3	2	6	0
+	3	4	4	2	3	8

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

Q2- Find the sum of following in your notebook.

a. 26,350 , 11,321 and 2,44,220

b. 3,70,600 , 20,12,22 and 5,311

c. 11,111 , 22,22,222 and 33,333

Addition with carry Over

Ex - Find the sum of 63286 and 73835.

	T-Th	Th	H	T	O	
	6	3	2	8	6	
+	7	3	8	3	5	
	13	7	1	2	1	← Carry

Q3. Add the following

$$\begin{array}{r} a. \quad 63586 \\ + 38976 \\ \hline \end{array}$$

$$\begin{array}{r} b. \quad 976598 \\ 689876 \\ \hline 87632 \end{array}$$

$$\begin{array}{r} 869368 \\ 765839 \\ + 88708 \\ \hline \end{array}$$

$$\begin{array}{r} 683981 \\ 63987 \\ + 9858 \\ \hline \end{array}$$

Q4. Add the following by arranging in columns.

a. 339685, 798587 and 88680

b. 76695, 980514 and 21695

c. 69680, 7768950 and 1560290

d. 129289, 2827690 and 2614991

Different Properties of Addition

1. Order Property

The sum of two numbers remains the same even when both the numbers are added in any order.

Example -

Find the sum:

(a) 63856, 32983 and (b) 32983, 63856

Solution ⇒

a. $\textcircled{1}\textcircled{1}$ ← carry

63856

+ 32983

96839

$\textcircled{1}\textcircled{1}$ ← carry

32983

+ 63856

96839

Thus, $63856 + 32983 = 32983 + 63856$

2. Grouping Property

The sum of three or more numbers remains the same even when the grouping of numbers is changed.

Ex - Find the sum $61359 + (21863 + 53519)$
and $(61359 + 21863) + 53519$

1st-Turn

$$61359 + (21863 + 53519)$$

$$= 61359 + 75382$$

$$= 136741$$

2nd-Turn

$$(61359 + 21863) + 53519$$

$$= 83222 + 53519$$

$$= 136741$$

Thus, $61359 + (21863 + 53519) =$

$$(61359 + 21863) + 53519$$

Q 5 - Use different properties of addition and fill in the blanks.

a. $53896 + 63510 = \dots\dots + 53896$

b. $\dots\dots + 88660 = 88660 + 21230$

c. $77125 + (68205 + \dots\dots) =$
 $(77125 + 68205) + 1920250$

d. $4128980 + 0 = \dots\dots\dots$

e. $0 + 71890 = \dots\dots\dots$

Word - Problems

Q1 \Rightarrow There are 58639 women, 81299 men and 169589 children in a city. What is population of a city?

Q2. Find the sum of the greatest 5-digit number and 5-digit number.

Q3. Abhinav bought a second hand car for ₹199999 and Spent ₹60699 on repairing it. What is the total cost of the car?

Q4. Find the sum of the smallest 6-digit number and the greatest 5- and 6-digit numbers.