

DON BOSCO SCHOOL, KOKAR, RANCHI

Session-2020 - 2021

Class 4ABC

Subject- Mathematics

CHAPTER 4. ADDITION

***KINDLY WRITE THE GIVEN NOTES IN YOUR NOTE COPY AS INSTRUCTED.**

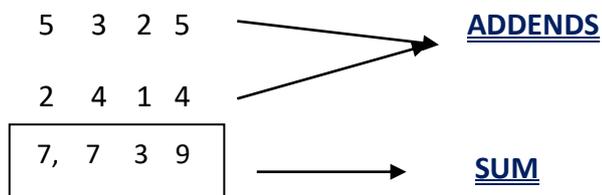
Addition means putting together two or more things or numbers.

The number to be added is called **ADDENDS**.

The answer in addition is called the **sum**.

Remember that addition always starts from ones place

Example:- **TH H T O**



Assignment :- Exercise 1 in the copy. (Kindly write the exercise no. and question no. correctly also put the place values)

Exercise 2 question no. 1 in the book

Question no 2 (a, d, e, h, i & j) in the copy

Exercise 3 question no.1 in the book

Question no 2 (a, d, e, h, i & j) in the copy

Adding three numbers with different number of digits

Example: - Add 5, 4603, 6785 and 265



Assignment: - Exercise no. 4 question no 1, 2 &3 in the copy / 4,5 & 6 in the book)

Adding 10, 100 and 1000

When 10 is added to a number, the value of the **digit at the tens place increases by 1.**

Example :- TTH TH H T O

$$\begin{array}{r} 4 \quad 4 \quad 6 \quad 3 \quad 0 \\ + \quad \quad \quad 1 \quad 0 \\ \hline 4 \quad 4, \quad 6 \quad 4 \quad 0 \end{array}$$

When 100 is added to a number, the value of the **digit at the hundreds place increases by 1.**

Example :- TTH TH H T O

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

When 1000 is added to a number, the value of the **digit at the thousands place increases by 1.**

Example :- TTH TH H T O

$$\begin{array}{r} 5 \quad 4 \quad 8 \quad 2 \quad 9 \\ + \quad \quad 1 \quad 0 \quad 0 \quad 0 \\ \hline 5 \quad 5 \quad 8 \quad 2 \quad 9 \end{array}$$

Assignments:- Exercise no. 5 question no – 1-10 in the book

Fill in the blanks in the book

Word problems

(Remember that in the word problems it is **compulsory to write the statement** of every question.

Do not forget to put the therefore sign ∴)

	Th	H	T	O
1. Number of letters a postman delivered in the month of March =	2	5	3	7
Number of letters a postman delivered in the month of April =	+ 3	2	1	2
∴ Total number of letters delivered in two months =	5, 7 4 9			

Answer 5,749 letters

		Th H T O
2. Number of students school A has	=	3 2 5 0
Number of students school B has	=	+ 4 7 4 5
\therefore Total number of students in all	=	7, 9 9 5

Answer 7,995 students

Assignment Exercise no. 7 question no. 3, 4, 5&6 in the copy

Estimating Sum

Estimation in addition means to guess the sum by rounding off the numbers.

(To find the estimated sum we first estimate (round off) the numbers and then find the sum.)

Example: - Estimate the sum of 567 and 249 by rounding off the numbers to the nearest tens.

Solution :- 567 is rounded off to the nearest tens = 570 (567 is closer to 570)

249 is rounded off to the nearest tens = 250 (249 is closer to 250)

<u>Estimated sum</u>	<u>Actual Sum</u>
H T O	H T O
5 7 0	5 6 7
2 5 0	2 4 9
8 2 0	8 1 6

Therefore we can see that the estimated sum differs from the actual sum by 4.

Example: - Estimate the sum of 2346 and 6775 by rounding off the numbers to the nearest hundreds.

Solution :- **2346** is rounded off to the nearest hundreds = 2300 (346 is closer to 300)

6775 is rounded off to the nearest hundreds = 6800 (775 is closer to 800)

<u>Estimated sum</u>	<u>Actual Sum</u>
TH H T O	TH H T O
2 3 0 0	2 3 4 6
6 8 0 0	6 7 7 5
9 1 0 0	9 1 2 1

Therefore we can see that the estimated sum differs from the actual sum by 21.

Assignment : Exercise no – 8 question no 1 &2 in the copy.

Review exercises :- question no 1 in the book

Question no 2 , 5 6&8 in the copy

Fill in the blanks:- (do it in your copy)

1. $4,285 + \dots = 4,285$
2. $6,309 + \dots = 6,310$
3. The successor of the largest 5-digit number is.....
4. The numbers which are being added are called.....
5. 1,000 more than 3,765 is.....
6. 9,000 more than 1,890 is.....
7. $8,501 + 0 = \dots$
8. $40,000 + 30,000 = \dots$