



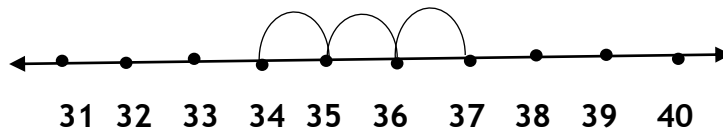
CLASS - II MATHEMATICS NOTES SEPTEMBER

5. ADDITION

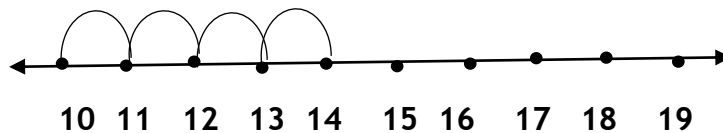
Addition is finding the total, or sum, by combining two or more numbers.

I. Add the following using the number line:

1. $34 + 3 = 37$



2. $10 + 4 = 14$



II. Addition of 2 digit numbers without regrouping :

1. T O
 5 6
+ 1 3

 6 9

2. T O
 2 4
+ 6 0

 8 4

3. T O
 2 1
+ 3 4

 5 5

4. T O
 7 2
+ 2 5

 9 7

III. Adding a 1 - digit number to a 2 digit number (with regrouping):

$$\begin{array}{r} 1. \quad \text{T O} \\ 16 \\ + 6 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 2. \quad \text{T O} \\ 28 \\ + 9 \\ \hline 37 \end{array}$$

$$\begin{array}{r} 3. \quad \text{T O} \\ 55 \\ + 7 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 4. \quad \text{T O} \\ 44 \\ + 6 \\ \hline 50 \end{array}$$

IV. Addition of 2 - digit numbers with carrying (or with regrouping):

$$\begin{array}{r} 1. \quad \text{T O} \\ 48 \\ + 36 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 2. \quad \text{T O} \\ 55 \\ + 37 \\ \hline 92 \end{array}$$

$$\begin{array}{r} 3. \quad \text{T O} \\ 43 \\ + 18 \\ \hline 61 \end{array}$$

$$\begin{array}{r} 4. \quad \text{T O} \\ 58 \\ + 29 \\ \hline 87 \end{array}$$

V. Addition of 3 numbers

$$\begin{array}{r} 1. \quad \text{T O} \\ 32 \\ + 17 \\ + 36 \\ \hline 85 \end{array}$$

$$\begin{array}{r} 2. \quad \text{T O} \\ 13 \\ + 14 \\ + 27 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 3. \quad \text{T O} \\ 28 \\ + 33 \\ + 32 \\ \hline 93 \end{array}$$

$$\begin{array}{r} 4. \quad \text{T O} \\ 27 \\ + 25 \\ + 26 \\ \hline 78 \end{array}$$

VI. Addition of 3 - digit numbers with 2-digit number (without regrouping):

$$\begin{array}{r}
 \text{1.} \quad \begin{array}{r} \text{H T O} \\ 856 \\ + 33 \\ \hline 889 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{2.} \quad \begin{array}{r} \text{H T O} \\ 964 \\ + 23 \\ \hline 987 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{3.} \quad \begin{array}{r} \text{H T O} \\ 311 \\ + 72 \\ \hline 383 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{4.} \quad \begin{array}{r} \text{H T O} \\ 902 \\ + 93 \\ \hline 995 \end{array}
 \end{array}$$

VII. Solve the following word problems :

1. sujal had 63 pens. Kashish gave him 24 pens. How many pens does sujal have now ?

OP : +

			T	0
Number of pens sujal had	=	6	3	
Number of pens kashish gave	=	2	4	+
Total number of pens		8	7	

Ans : Sujal has 87 pens now.

2. 46 boys and 29 girls went for picnic organised by ABC school. How many students went for picnic in all ?

OP : +

			T	0
Number of boys	=	4	6	
Number of girls	=	2	9	+
Total number of students	=	7	5	

Ans. : 75 students went for picnic in all.

3. There are 312 pins in box 1 and 64 pins in box 2. How many pins are there in both the boxes ?

OP : +

		H	T	O	
Number of pins in box 1	=	3	1	2	
Number of pins in box 2	=		6	4	+
Total Number of pins in		3	7	6	
Both boxes					

Ans. : There are 376 pins in both the boxes.

VIII. Mind Map:

