

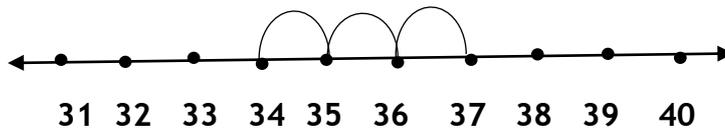


CLASS - II MATHEMATICS NOTES SEPTEMBER  
5. ADDITION

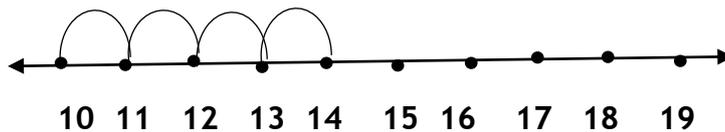
Addition is finding the total, or sum, by combining two or more numbers.

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 ):

1.    T O  
      1 6  
     +  6  
          
      2 2

2.    T O  
      2 8  
     +  9  
          
      3 7

3. .   T O  
      5 5  
     +  7  
          
      6 2

4.    T O  
      4 4  
     +  6  
          
      5 0

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

1.    T O  
      4 8  
     + 3 6  
          
      8 4

2.    T O  
      5 5  
     + 3 7  
          
      9 2

3. .   T O  
      4 3  
     + 1 8  
          
      6 1

4.    T O  
      5 8  
     + 2 9  
          
      8 7

V. Addition of 3 numbers

1.    T O  
      3 2  
     + 1 7  
     + 3 6  
          
      8 5

2.    T O  
      1 3  
     +  1 4  
     +  2 7  
          
      5 4

3.    T O  
      2 8  
     + 3 3  
     + 3 2  
          
      9 3

4.    T O  
      2 7  
     +  2 5  
     +  2 6  
          
      7 8

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

$$\begin{array}{r}
 \text{1.} \quad \text{H T O} \\
 \quad 8 \ 5 \ 6 \\
 + \quad 3 \ 3 \\
 \hline
 \quad 8 \ 8 \ 9 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{2.} \quad \text{H T O} \\
 \quad 9 \ 6 \ 4 \\
 + \quad 2 \ 3 \\
 \hline
 \quad 9 \ 8 \ 7 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{3.} \quad \text{H T O} \\
 \quad 3 \ 1 \ 1 \\
 + \quad 7 \ 2 \\
 \hline
 \quad 3 \ 8 \ 3 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{4.} \quad \text{H T O} \\
 \quad 9 \ 0 \ 2 \\
 + \quad 9 \ 3 \\
 \hline
 \quad 9 \ 9 \ 5 \\
 \hline
 \end{array}$$

**VII. Solve the following word problems :**

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

OP : +

		T	0
Number of pens suj al 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:

