

**EVERWIN VIDHYASHRAM**

**STD: IV**

**MATHS**

Addition

TEACHERS RESOURCE: The Way of putting things together is called addition.

We use + symbol to add the given numbers.

Eg:  $5+3=8$

Here, the numbers that get added are called addends. The answer that we get on adding those two numbers are called sum.

$$\underbrace{5 + 3}_{\text{addends}} = 8 \rightarrow (\text{sum})$$

addends

Key words of addition.

- Add
- Sum
- Plus
- Increased
- Total
- More than
- Altogether
- All

The number can be added in any order, the sum remains the same.

Eg.  $26 + 42 = 42 + 26 = 68$ ,  $4 + 3 + 2 = (2 + 3) + 4$

**CLASS WORK**

1. Write in columns and find the sum.

1.  $3873 + 2731$

	<b>1</b>	<b>1</b>	<b>1</b>	
	7	7	4	5
	1	8	5	5
+	9	6	0	0

Ans. 6604

2.  $1005 + 271 + 3413$

	Th	H	T	O
	1	0	0	5
		2	7	1
	3	4	1	3
+	4	6	8	9

Ans. 4689

3.  $812 + 711 + 8946$

	Th	H	T	O
		8	1	2
	<b>2</b>	7	1	1
	8	9	4	6
+	10	4	6	9

Ans. 10469

II. Add Horizontally:

1.  $783 + 4212$

STEP-1

TH	H	T	O	+	TH	H	T	O	=	TH	H	T	O
7	8	3		+	4	2	1	2	=				5

STEP-2

TH	H	T	O	+	TH	H	T	O	=	TH	H	T	O
7	8	3		+	4	2	1	2	=		9	5	

STEP-3

TH	H	T	O	+	TH	H	T	O	=	TH	H	T	O
7	8	3		+	4	2	1	2	=		9	9	5

STEP-4

TH	H	T	O	+	TH	H	T	O	=	TH	H	T	O
0	7	8	3	+	4	2	1	2	=	4	9	9	5

2.  $8914 + 1289$

1.  $783 + 4212$

STEP-1

TH	H	T	O	+	TH	H	T	O	=	TH	H	T	O
		1											
8	9	1	4	+	1	2	8	9	=				

STEP-2

TH	H	T	O	+	TH	H	T	O	=	TH	H	T	O
	1	1											
8	9	1	4	+	1	2	8	9	=			0	3

STEP-3

TH	H	T	O	+	TH	H	T	O	=	TH	H	T	O
1	1												
8	9	1	4	+	1	2	8	9	=		2	0	3

STEP-4

TH	H	T	O	+	TH	H	T	O	=	TH	H	T	O
1													
8	9	1	4	+	1	2	8	9	=	10	2	0	3

**Solve these word problem:**

1. A train ran 7745 km. Another train ran 1855 km more than the first train. How many km did the other train run?

Sol. Distance covered by first train - 7745

Distance covered by another train more than first - 1855

Distance covered by another train =?

Th	H	T	O
1	1		
3	8	7	3
2	7	3	1
6	6	0	4

+ 9600 km

2. There are 3895 men, 2927 women and 2409 children in a village. Find the total population of the village.

	2	1	2			
Sol. No. of Men in a village	-	3	8	9	5	
No. of women in a village	-	2	9	2	7	
No. of children in a village	-	+	2	4	0	9
Total No. of Population of the village	-	9	2	3	1	

**SUBTRACTION**

Teacher Resource

- Subtraction is the opposite operation of addition.
- When you subtract, you take the value of the smaller number from the value of larger one

75	-	25	=	50	→	difference
└───┘						Minuend (first no, should always be greater)
└───┘						Subtrahend

The answer in subtraction is called difference.

**Key words for subtractions:** 86 from 94

- Left over
- Spent
- How much should be added
- Less than
- Before
- Difference
- How much more
- Remaining
- Subtract

**CLASS WORK**

1. Subtract: 846 from 1000

$$\begin{array}{r}
 \cancel{1} \quad \cancel{0} \quad \cancel{0} \quad \cancel{0} \\
 8 \quad 4 \quad 6 \\
 \hline
 (-) \quad 3 \quad 5 \quad 4
 \end{array}$$

Ans. 354

2. 1496 from 2504

$$\begin{array}{r}
 \phantom{2} \quad \mathbf{4} \quad \mathbf{9} \quad \mathbf{14} \\
 2 \quad \cancel{5} \quad \cancel{0} \quad \cancel{4} \\
 1 \quad 4 \quad 9 \quad 6 \\
 \hline
 (-) \quad 1 \quad 0 \quad 0 \quad 8
 \end{array}$$

Ans. 1008

**Word Problem**

1. Raju had ₹ 78.15 with him. If he buys a notebook costs ₹ 46. 25. Find the amount left with him.

$$\begin{array}{r}
 \text{Sol. Amount Raju had} = 78 . 15 \\
 \text{Cost of the notebook} = - 46 . 25 \\
 \hline
 31 . 90
 \end{array}$$

The Amount left with him = ₹ 31 . 90

2. The population of a city 4,75,173. If the No. of males are 2,58,745. Find the No. of females in the city.

$$\begin{array}{r}
 \text{Sol. Total No.of population in the city} = 4 \quad 7 \quad 5 \quad 1 \quad 7 \quad 3 \\
 \text{No. of males in the city} = - 2 \quad 5 \quad 8 \quad 7 \quad 4 \quad 5 \\
 \hline
 \text{No. of females in the city} = 2 \quad 1 \quad 6 \quad 4 \quad 2 \quad 8
 \end{array}$$