

## MATHS CLASS III

### LESSON – ADDITION

#### Addition of 4-digit numbers without regrouping –

- Arrange the numbers in columns, as per their place value.
- The numbers at the ones place are added first.
- Followed by the numbers at tens place.
- Numbers at hundreds place are added next.
- Lastly, add the numbers at the thousands place.

**Example:** Arrange in columns and add  $5323 + 3211$

	Thousands	Hundreds	Tens	Ones
	5	3	2	3
+	3	2	1	1
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	8	5	3	4
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**Solution:** 8,534

**Q1. Arrange in columns and add the following numbers:**

- a)  $6754 + 1202$
- b)  $4433 + 1325$
- c)  $3310 + 4311$
- d)  $5534 + 3105$

#### Addition of three 4 - digit numbers without regrouping –

Follow the above steps in a similar way for adding three sets of 4-digit numbers i.e.

- Arrange the numbers in columns, as per their place value.

- The numbers at the ones place are added first.
- Followed by the numbers at tens place.
- Numbers at hundreds place are added next.
- Lastly, add the numbers at the thousands place.

**(Observe that, the place values can be written in short).**

**Example:** Arrange in columns and add  $4310 + 4128 + 1431$

	Th	H	T	O
	4	3	1	0
	4	1	2	8
+	1	4	3	1
	<b>9</b>	<b>8</b>	<b>6</b>	<b>9</b>

**Solution:** 9,869

**Q2. Arrange in columns and add the following numbers:**

- a)  $5654 + 1202 + 2103$
- b)  $3432 + 2101 + 1325$
- c)  $3310 + 1103 + 4311$
- d)  $4534 + 2103 + 3060$

**Addition of 4-digit numbers using expanded notation**

- Write the numbers in the expanded form.
- Add the numbers of the same place value i.e.

- ✚ Add numbers at one's place first.
- ✚ Followed by the numbers at tens place.
- ✚ Numbers at hundreds place are added next.
- ✚ Lastly, add the numbers at the thousands place.

**Example:** Expand and add:  $3456 + 4241$

$$\begin{array}{r} 3456 = 3000 + 400 + 50 + 6 \\ + \quad 4241 = 4000 + 200 + 40 + 1 \\ \hline 7697 = 7000 + 600 + 90 + 7 \end{array}$$

**Solution:** 7,697

**Q3. Expand and add the following numbers:**

- a)  $6754 + 1202$
- b)  $8432 + 1345$
- c)  $3310 + 4331$
- d)  $5624 + 3105$