

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
	8	5	3	4

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
	9	8	6	9

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) $5624 + 3105$