

# Littera Public School

## CHAPTER-2 ADDITION

Class-II

→ Addition of 3-Digit Numbers by Regrouping

**Example:** Add 263 and 424.

**Solution:** 2 hundreds + 6 tens + 3 ones + 4 hundreds + 2 tens + 4 ones  
= (2 + 4) hundreds + (6 + 2) tens + (3 + 4) ones  
= 6 hundreds + 8 tens + 7 ones  
= 687

### EXERCISE-2.1

Add the following numbers:

1.  $219 + 330$

$$\begin{aligned} &= 2 \text{ hundreds} + 10 \text{ tens} + 9 \text{ ones} + 3 \text{ hundreds} + 30 \text{ tens} + 0 \text{ ones} \\ &= 2 + 3 \text{ hundreds} + 9 + 30 \text{ tens} + 9 + 0 \text{ ones} \\ &= 5 \text{ hundreds} + 40 \text{ tens} + 9 \text{ ones} = \underline{549} \end{aligned}$$

2.  $432 + 341$

$$\begin{aligned} &= 4 \text{ hundreds} + 30 \text{ tens} + 2 \text{ ones} + 3 \text{ hundreds} + 40 \text{ tens} + 1 \text{ ones} \\ &= 4 + 3 \text{ hundreds} + 30 + 40 \text{ tens} + 2 + 1 \text{ ones} \\ &= 7 \text{ hundreds} + 70 \text{ tens} + 3 \text{ ones} = \underline{773} \end{aligned}$$

3.  $448 + 320$

$$\begin{aligned} &= 4 \text{ hundreds} + 40 \text{ tens} + 8 \text{ ones} + 3 \text{ hundreds} + 20 \text{ tens} + 0 \text{ ones} \\ &= 4 + 3 \text{ hundreds} + 40 + 20 \text{ tens} + 8 + 0 \text{ ones} \\ &= 7 \text{ hundreds} + 60 \text{ tens} + 8 \text{ ones} = \underline{768} \end{aligned}$$

4.  $235 + 704$

$$\begin{aligned} &= 2 \text{ hundreds} + 30 \text{ tens} + 5 \text{ ones} + 7 \text{ hundreds} + 0 \text{ tens} + 4 \text{ ones} \\ &= 2 + 7 \text{ hundreds} + 30 + 0 \text{ tens} + 5 + 4 \text{ ones} \\ &= 9 \text{ hundreds} + 30 \text{ tens} + 9 \text{ ones} = \underline{939} \end{aligned}$$

# Vertical Addition (without carrying)

**Example:** Add 543 and 236.

**Solution:** Step 1: We add digits in ones column:  $3 + 6 = 9$

We write 9 in ones column  
Step 2: We add digits in tens column:  $4 + 3 = 7$

We write 7 in tens column.

Step 3: We add digits in hundreds column:  $5 + 2 = 7$

We write 7 in hundreds column.

$\therefore$  Sum = 779.

	H	T	O
5	4	3	
+	2	3	6
<hr/>			
7	7	9	
<hr/>			

## EXERCISE-2.2

Add the following numbers:

1. 

	H	T	O
7	3	2	
+	2	6	3
<hr/>			
9	9	5	

2. 

	H	T	O
3	1	2	
+	4	7	3
<hr/>			
7	8	5	

3. 

	H	T	O
8	2	5	
+	1	5	4
<hr/>			
9	7	9	

4. 

	H	T	O
2	5	7	
+	4	3	2
<hr/>			
6	8	9	

5. 

	H	T	O
8	5	3	
+	1	4	5
<hr/>			
9	9	8	

6. 

	H	T	O
1	2	7	
+	4	7	2
<hr/>			
5	9	9	

7. 

	H	T	O
2	0	5	
+	6	9	3
<hr/>			
8	9	8	

8. 

	H	T	O
3	6	2	
+	4	2	6
<hr/>			
7	8	8	

9. 

	H	T	O
3	2	5	
+	6	7	4
<hr/>			
9	9	9	

10. 

	H	T	O
4	5	1	
+	2	3	7
<hr/>			
6	8	8	

11. 

	H	T	O
2	1	3	
+	5	8	2
<hr/>			
7	9	5	

12. 

	H	T	O
2	5	1	
+	6	3	5
<hr/>			
8	8	6	

## → Addition of Three One-Digit Number (Preparing to Carry over)

**Example:** Add 3, 5 and 4.

**Solution:** 3 ones + 5 ones + 4 ones  
= 3 ones + [5 ones + 4 ones]  
= 3 ones + 9 ones  
= 12 ones = 10 ones + 2 ones  
= 1 ten + 2 ones

(We know that 10 ones = 1 ten)

## EXERCISE-2.3

Add the following:

- 6 ones + 1 one + 7 ones  
= 6 ones + [1 ones + 7 ones] = 6 ones + 8 ones  
= 14 ones = 10 ones + 4 ones = 1 ten + 4 ones
- 7 ones + 6 ones + 5 ones  
= 7 ones + [6 ones + 5 ones] = 7 ones + 11 ones  
= 18 ones = 10 ones + 8 ones = 1 ten + 8 ones
- 6 ones + 1 one + 5 ones  
= 6 ones + [1 ones + 5 ones] = 6 ones + 6 ones  
= 12 ones = 10 ones + 2 ones = 1 ten + 2 ones
- 7 ones + 6 ones + 5 ones  
= 7 ones + [6 ones + 5 ones] = 7 ones + 11 ones  
= 18 ones = 10 ones + 8 ones = 1 ten + 8 ones
- 6 ones + 2 ones + 7 ones + 5 ones  
= [6 ones + 2 ones] + [7 ones + 5 ones]  
= 8 ones + 12 ones = 20 ones = 10 ones + 10 ones = 2 ten + 0 ones

# EXERCISE-2.4

Add the following numbers: (With carrying)

1.

	H	T	O
	○	○	○
	2	5	9
+	2	6	7
<hr/>			
	5	2	6

2.

	H	T	O
	○	○	○
	1	3	9
+	3	5	8
<hr/>			
	4	9	7

3.

	H	T	O
	○	○	○
	2	4	9
+	3	7	2
<hr/>			
	6	2	1

4.

	H	T	O
	○	○	○
	4	2	9
+	4	4	4
<hr/>			
	8	7	3

5.

	H	T	O
	○	○	○
	2	3	4
+	5	7	8
<hr/>			
	8	1	2

6.

	H	T	O
	○	○	○
	2	6	9
+	3	7	6
<hr/>			
	6	4	5

7.

	H	T	O
	○	○	○
	4	5	9
+	2	6	7
<hr/>			
	7	2	6

8.

	H	T	O
	○	○	○
	5	8	4
+	2	6	6
<hr/>			
	8	5	0

9.

	H	T	O
	○	○	○
	1	2	3
	5	9	9
+	2	3	8
<hr/>			
	9	6	0

10.

	H	T	O
	○	○	○
	2	0	3
	3	9	9
+	2	7	6
<hr/>			
	8	7	8

11.

	H	T	O
	○	○	○
	2	3	1
	5	9	8
+	2	7	5
<hr/>			
	11	0	4

12.

	H	T	O
	○	○	○
	2	3	4
	6	8	8
+		7	4
<hr/>			
	9	9	6

## EXERCISE-2.5

**Example:** 462 people were sitting in a hall. 231 more joined them. How many people are there in the hall now?

**Solution:** Number of people in hall = 462

Number of people who joined them = 231

∴ Total number of people in hall now = 693

H	T	O	
4	6	2	
+	2	3	1
<hr/>			
6	9	3	

1. Teacher asked students to collect pebbles from the ground. Akash collected 154 pebbles. Rakhi collected 245 pebbles. How many pebbles did they collect together?

H	T	O	
○	○	○	
1	5	4	
+	2	4	5
<hr/>			
3	9	9	

2. There were 435 students in a school. 267 students more joined them. How many students the school has now?

H	T	O	
○	○	○	
4	3	5	
+	2	6	7
<hr/>			
7	0	2	

3. A train compartment is carrying 192 passengers. Another compartment is carrying 229 passengers. In all how many passengers are travelling in these two compartments?

H	T	O	
○	○	○	
1	9	2	
+	2	2	9
<hr/>			
4	2	1	

4. A fruit seller sold 245 apples on the first day. He sold 379 apples on the second day. How many apples did he sell altogether?

H	T	O	
○	○	○	
2	4	5	
+	3	7	9
<hr/>			
6	2	4	