

# **CLASSES BY SACHIN SHARMA**

**BE EXTRAORDINARY**

**CALL AT 9891397427**

**Hi In this Exercise, I am telling you certain ways to do your addition and subtraction in an easier and faster way.**

**I trust you will like it.**

$$\begin{array}{r} 75 \\ + 84 \\ \hline = 159 \end{array}$$

$$\begin{array}{r} 95 \\ + 83 \\ \hline = 178 \end{array}$$

$$\begin{array}{r} 87 \\ + 59 \\ \hline = 13+16 \\ = (13+1)6 \\ = 146 \end{array}$$

We are adding first digit with the first one and the second digit with the second one and we are adding Right to Left instead of Left to Right.

$$\begin{array}{r} 77 \\ + 39 \\ \hline \end{array}$$

$$= 10 + 16$$

$$= (10+1)6$$

$$\begin{array}{r} 79 \\ + 79 \\ \hline \end{array}$$

$$= 14 + 18$$

$$= (14+1)8$$

$$= 158$$

$$\begin{array}{r} 179 \\ + 73 \\ \hline \end{array}$$

$$= 24 + 12$$

$$= 252$$

In the first Q., the 1 on 16 will be added to the 10 and we do this way for the rest of the questions.

$$\begin{array}{r} 87 \ 9 \\ + \ 9 \ 3 \\ \hline = 8 + 16 + 12 \\ = 972 \end{array}$$

$$\begin{array}{r} 107 \ 9 \\ + \ 9 \ 3 \\ \hline = 10 + 16 + 12 \\ = 1172 \end{array}$$

$$\begin{array}{r} 10\ 9 \\ + \ 9\ 03 \\ \hline = 10\ + 0 + \ 12 \\ = 1012 \end{array}$$

$$\begin{array}{r} 16\ 8 \\ + \ 7\ 13 \\ \hline = 8 + 7 + \ 11 \\ = 881 \end{array}$$

$$\begin{array}{r} 689 \\ + 853 \\ \hline =14 \quad +13 \quad +12 \\ =1542 \end{array}$$

A handwritten addition problem is shown within a yellow-bordered box. The numbers 689 and 853 are at the top, separated by a plus sign. Below them is the sum 1542. The tens column (8+5) is crossed out with a large green X. A green arrow points from the tens column to the ones column, and another green arrow points from the tens column to the hundreds column. A dark green arrow points from the ones column to the hundreds column.

$$\begin{array}{r} 395 \\ + 759 \\ \hline =10 \quad 14 \quad +14 \\ =1154 \end{array}$$

A handwritten addition problem is shown within a yellow-bordered box. The numbers 395 and 759 are at the top, separated by a plus sign. Below them is the sum 1154. The tens column (9+5) is crossed out with a large green X. A green arrow points from the tens column to the ones column, and another green arrow points from the tens column to the hundreds column. A dark green arrow points from the ones column to the hundreds column.

$$\begin{array}{r} 8 \ 3 \ 5 \\ + 9 \ 7 \ 9 \\ \hline = 17 \ + \ 10 \ + 14 \\ = 1814 \end{array}$$

A diagram illustrating the addition of 835 and 979. The numbers are arranged in two rows with a plus sign between them. Vertical yellow arrows point from the units column (5 and 9) down to the sum 14. A diagonal brown arrow points from the tens column (3 and 7) to the sum 10. Another diagonal green arrow points from the hundreds column (8 and 9) to the sum 17. The final result is 1814.

$$\begin{array}{r} 9 \ 6 \ 9 \\ + 7 \ 8 \ 9 \\ \hline = 16 \ + 14 \ + 18 \\ = 1758 \end{array}$$

A diagram illustrating the addition of 969 and 789. The numbers are arranged in two rows with a plus sign between them. Vertical yellow arrows point from the units column (9 and 9) down to the sum 18. A diagonal brown arrow points from the tens column (6 and 8) to the sum 14. Another diagonal green arrow points from the hundreds column (9 and 7) to the sum 16. The final result is 1758.

1 8 3 5 + 9 6 7 9

$$= 10 + 14 + 10 + 14$$

$$= 11 \quad 5 \quad 1 \quad 4$$

(10+1) (4+1) (0+1) (as it is)

$$= 11 \ 5 \ 1 \ 4$$

1 6 8 7 + 3 6 8 9

$$= 4 + 12 + 16 + 16$$

$$= 5 \quad 3 \quad 7 \quad 6$$

(4+1)    (2+1)    (6+1)    (as it is)

$$= 5 \ 3 \ 7 \ 6$$

$$\begin{array}{r} 9 \ 6 \ 8 \ 9 \\ + \ 3 \ 6 \ 8 \ 3 \end{array}$$

$$= 12 + 12 + 16 + 12$$

$$= 13 \ 3 \ 7 \ 2$$

7 6 8 9 + 3 7 8 7

= 10 + 13 + 16 + 16

= 11 4 7 6

= 11 4 7 6

4 5 7 1 + 8 9 3 4

= 12 + 14 + 10 + 5

= 13 5 0 5

= 13 5 0 5

7 9 8 0 + 3 1 0 5 + 4 5 7 1 + 8 9 3 4

$$= 22 + 24 + 18_{(2^{\text{ND}} \text{ last digit})} + 10_{(\text{last digit})}$$

$$= 24 \quad 5 \quad 9 \quad 0$$

$$= 24590$$

9 3 2 9 + 3 7 8 5 + 2 5 7 8 + 7 9 3 8

=21 + 24 + 20 + 30

=23 6 3 0

=23630

9 7 2 3 + 5 7 9 5 + 8 9 7 8 + 2 5 3 8

$$= 24 + 28 + 21 + 24$$

$$= 26 \quad 10 \quad 3 \quad 4$$

$$= 27034$$