

## CHAPTER - 3

## Addition and Subtraction

Exercise - 1

1. Add the following:

(a.)	Th	H	T	O
	4	3	2	5
	+	3	1	4
	7	4	6	7

(b.)	Th	H	T	O
	①	①	①	
	2	5	2	8
	+	3	4	8
	6	0	1	5

(c.)	Th	H	T	O
	①	①	①	
	5	9	9	5
	+	2	5	3
	8	5	3	3

2. Find the sum of:

(a.) 4292 and 3105

Soln:	4	2	9	2
	3	1	0	5
	7	3	9	7
	Ans.			

(b) 6205 and 2304

$$\begin{array}{r}
 \text{Sol-} \quad 6205 \\
 + 2304 \\
 \hline
 \underline{8509} \quad \text{Ans.}
 \end{array}$$

(c) 4114 and 3763

$$\begin{array}{r}
 \text{Sol-} \quad 4114 \\
 + 3763 \\
 \hline
 \underline{7877} \quad \text{Ans.}
 \end{array}$$

(d) 8653 and 1059

$$\begin{array}{r}
 \text{Sol-} \quad \textcircled{1} \textcircled{1} \\
 8653 \\
 + 1059 \\
 \hline
 \underline{9712} \quad \text{Ans.}
 \end{array}$$

(e) 4198 and 2275

$$\begin{array}{r}
 \text{Sol-} \quad \textcircled{1} \textcircled{1} \\
 4198 \\
 + 2275 \\
 \hline
 \underline{6473} \quad \text{Ans.}
 \end{array}$$

(P.) 5224 and 3275

Solve:

$$\begin{array}{r} 5224 \\ + 3275 \\ \hline 8499 \end{array} \quad \text{Ans.}$$

### Exercise - 2

1. find the sum of:

(a) 23,312 and 35,233

Solve:

$$\begin{array}{r} 23312 \\ + 35233 \\ \hline 58545 \end{array} \quad \text{Ans.}$$

(b) 40,718 and 57,161

Solve:

$$\begin{array}{r} 40718 \\ + 57161 \\ \hline 97879 \end{array} \quad \text{Ans.}$$

(c) 72,354 and 13,215

Solve:-

$$\begin{array}{r} 72354 \\ +13215 \\ \hline 85569 \end{array} \quad \text{Ans.}$$

(d) 52,735 and 35,025

Solve:-

$$\begin{array}{r} \textcircled{1} \\ 52735 \\ +35025 \\ \hline 87760 \end{array} \quad \text{Ans.}$$

(e) 15,427 and 67,553

Solve:-

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \\ 15427 \\ +67553 \\ \hline 82980 \end{array} \quad \text{Ans.}$$

(f) 49,999 and 26,745

Solve:-

$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \\ 49999 \\ +26745 \\ \hline 76744 \end{array} \quad \text{Ans.}$$

2. Add the following :

$$\begin{array}{r}
 \text{(a.) } \begin{array}{r} TTh \quad Th \quad H \quad T \quad O \\ 3 \quad 3 \quad 0 \quad 2 \quad 1 \\ + 2 \quad 3 \quad 5 \quad 6 \quad 8 \\ \hline 5 \quad 6 \quad 5 \quad 8 \quad 9 \end{array} \\
 \text{Ans.}
 \end{array}$$

$$\begin{array}{r}
 \text{(b.) } \begin{array}{r} TTh \quad Th \quad H \quad T \quad O \\ \textcircled{1} \quad \textcircled{1} \quad \textcircled{0} \quad \textcircled{0} \\ 3 \quad 8 \quad 4 \quad 2 \quad 7 \\ + 4 \quad 2 \quad 8 \quad 1 \quad 2 \\ \hline 8 \quad 1 \quad 2 \quad 3 \quad 9 \end{array} \\
 \text{Ans.}
 \end{array}$$

$$\begin{array}{r}
 \text{(c.) } \begin{array}{r} TTh \quad Th \quad H \quad T \quad O \\ \textcircled{0} \quad \textcircled{1} \quad \textcircled{0} \quad \textcircled{0} \\ 5 \quad 2 \quad 7 \quad 6 \quad 8 \\ + 1 \quad 6 \quad 7 \quad 2 \quad 0 \\ \hline 6 \quad 9 \quad 4 \quad 8 \quad 8 \end{array} \\
 \text{Ans.}
 \end{array}$$

### Exercise - 3

1. Add the following :

$$\begin{array}{r}
 \text{(a.) } \begin{array}{r} L \quad TTh \quad Th \quad H \quad T \quad O \\ 6 \quad 5 \quad 4 \quad 3 \quad 2 \quad 1 \\ + 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \\ \hline 7 \quad 7 \quad 7 \quad 7 \quad 7 \quad 7 \\ \hline \text{Ans.} \end{array}
 \end{array}$$

$$\begin{array}{r}
 \text{(b.) } \begin{array}{r} L \quad TTh \quad Th \quad H \quad T \quad O \\ \textcircled{1} \quad \textcircled{0} \quad \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \\ 5 \quad 3 \quad 1 \quad 7 \quad 8 \quad 6 \\ + 1 \quad 7 \quad 3 \quad 4 \quad 3 \quad 8 \\ \hline 7 \quad 0 \quad 5 \quad 2 \quad 2 \quad 4 \end{array}
 \end{array}$$

2. Find the sum of:

(a.) 1,54,023 and 4,21,746

Solve:-

$$\begin{array}{r} 154023 \\ + 421746 \\ \hline 575769 \end{array} \quad \text{Ans.}$$

(b.) 2,40,125 and 3,47,521

Solve:-

$$\begin{array}{r} 240125 \\ + 347521 \\ \hline 587646 \end{array} \quad \text{Ans.}$$

(c.) 5,27,123 and 3,17,298

Solve:-

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \\ 527123 \\ + 317298 \\ \hline 844421 \end{array} \quad \text{Ans.}$$

(d.) 4,97,513 and 3,48,789

Solve:-

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \\ 497513 \\ + 348789 \\ \hline 846302 \end{array} \quad \text{Ans.}$$

Exercise - 4

Fill in the boxes :

(1.)  $4634 + \boxed{0} = 4634$

(2.)  $21346 + 1 = \boxed{21347}$

(3.)  $34567 + \boxed{1} = 34568$

(4.)  $14357 + 19235 = 19235 + \boxed{14357}$

(5.)  $82547 + (35458 + 10000) = (82547 + \boxed{35458}) + 10000$

(6.)  $(112000 + 135400) + 234567 = 112000 + (135400 + \boxed{234567})$

Exercise - 5

1. The cost of a motorcycle is ₹ 42,850 and the cost of a scooter is ₹ 28,350, what is the total cost of both the vehicles?

Solution: Total cost of both the

$$\text{vehicles} = ₹ 42,850 + ₹ 28,350$$

$$= ₹ 71,200$$

Thus, the total cost of both

the vehicles is ₹ 71,200

$$\begin{array}{r} 000 \\ 42850 \\ + 28350 \\ \hline 71200 \end{array}$$

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2. A factory manufactured 72,584 locks in 2013 and 37,846 locks in 2014. How many locks did the factory manufacture in the two years?

Soln:- Total Number of locks

manufactured in two years

$$= 72,584 + 37,846$$

$$= 1,10,430$$

①①①①①

72584

+ 37846

110430

∴ Total number of locks

manufactured by factory

in two years is 1,10,430

3. During a census, it was found that there were 2,34,786 males and 1,93,877 females in a town. Find the total population of the town.

Soln:- population of the town

= Number of males + Number

of females

$$= 2,34,786 + 1,93,877$$

$$= 4,28,663$$

① ① ①①

234786

+ 193877

428663

∴ The total population of the town is 4,28,663.



4. A number exceeds 8,76,543 by 12,345.  
Find the number.

Solution:- Number = 8,76,543 + 12,345

$$= 888888$$

$$\begin{array}{r} 876543 \\ + 12345 \\ \hline 888888 \end{array}$$

### Exercise - 6

1. Subtract:

(a)

	Th	H	T	O
	8	4	5	6
-	4	2	3	2
	<u>4</u>	<u>2</u>	<u>2</u>	<u>4</u>

(b)

	Th	H	T	O
	0	8	11	0
-	4	6	8	1
	<u>3</u>	<u>2</u>	<u>3</u>	<u>2</u>

(c)

	Th	H	T	O
	6	17	6	17
	7	7	7	7
-	2	9	2	9
	<u>4</u>	<u>8</u>	<u>4</u>	<u>8</u>

2. Subtract:

(a) 5834 - 2512

Solve:-

$$\begin{array}{r} 5834 \\ - 2512 \\ \hline 3322 \end{array} \text{ Ans.}$$

(b)  $9462 - 7230$

$$\begin{array}{r}
 \text{Solve:-} \quad 9462 \\
 - 7230 \\
 \hline
 2232 \quad \text{Ans.}
 \end{array}$$

(c)  $3332 - 2321$

$$\begin{array}{r}
 \text{Solve:-} \quad 3332 \\
 - 2321 \\
 \hline
 1011 \quad \text{Ans.}
 \end{array}$$

(d)  $4156 - 2913$

$$\begin{array}{r}
 \text{Solve:-} \quad \textcircled{3} \textcircled{12} \\
 4156 \\
 - 2913 \\
 \hline
 1243
 \end{array}$$

(e)  $2982 - 1988$

$$\begin{array}{r}
 \text{Solve:-} \quad \textcircled{1} \textcircled{18} \textcircled{17} \textcircled{12} \\
 2982 \\
 - 1988 \\
 \hline
 0994 \quad \text{Ans.}
 \end{array}$$

(f.)  $7980 - 6992$

Solve:

$$\begin{array}{r} \textcircled{6} \textcircled{18} \textcircled{17} \textcircled{10} \\ 7980 \\ - 6992 \\ \hline 0988 \end{array} \quad \text{Ans.}$$

Exercise - 7

1. Subtract:

(a) TTh Th H T O

$$\begin{array}{r} 28456 \\ - 14232 \\ \hline 14224 \end{array}$$

(b) TTh Th H T O

$$\begin{array}{r} \textcircled{5} \textcircled{9} \textcircled{9} \textcircled{9} \textcircled{0} \\ 60000 \\ - 45454 \\ \hline 14546 \end{array}$$

(c) TTh Th H T O

$$\begin{array}{r} \textcircled{0} \textcircled{0} \textcircled{0} \textcircled{5} \textcircled{17} \\ 75467 \\ - 41358 \\ \hline 34109 \end{array}$$

2. Subtract:

(a)  $51834 - 20512$

Solve:

$$\begin{array}{r} 51834 \\ - 20512 \\ \hline 31322 \end{array} \quad \text{Ans.}$$

(b)  $89462 - 27230$

Ans. 
$$\begin{array}{r} 89462 \\ - 27230 \\ \hline 62232 \end{array}$$
 Ans.

(c)  $33333 - 12321$

Ans. 
$$\begin{array}{r} 33333 \\ - 12321 \\ \hline 21012 \end{array}$$
 Ans.

(d)  $93115 - 87767$

Ans. 
$$\begin{array}{r} \textcircled{8} \textcircled{12} \textcircled{19} \textcircled{10} \textcircled{15} \\ 93115 \\ - 87767 \\ \hline 05348 \end{array}$$
 Ans.

(e)  $78378 - 36089$

Ans. 
$$\begin{array}{r} \textcircled{2} \textcircled{16} \textcircled{18} \\ 78378 \\ - 36089 \\ \hline 42289 \end{array}$$
 Ans.

$$(f) \quad 24008 - 21778$$

solve:-

$$\begin{array}{r} \textcircled{3} \textcircled{9} \textcircled{10} \\ 24008 \\ - 21778 \\ \hline 02230 \end{array} \quad \checkmark \text{Ans.}$$

3. Subtract the greatest 5-digit number from the smallest 6-digit number.

solution:- The smallest 6-digit number = 100000

The greatest 5-digit number = 99999

$$\therefore 100000 - 99999$$

$$= 1$$

$$\begin{array}{r} \textcircled{9} \textcircled{9} \textcircled{9} \textcircled{9} \textcircled{9} \\ 100000 \\ - 99999 \\ \hline 00001 \end{array}$$

Exercise - 8

1. Find the difference between:

(a) 4,83,695 and 1,51,343

Sol:-

$$\begin{array}{r} 483695 \\ - 151343 \\ \hline 332352 \end{array} \text{ Ans.}$$

(b) 6,31,296 and 4,61,053

Sol:-

(5) (13)

$$\begin{array}{r} 631296 \\ - 461053 \\ \hline 170243 \end{array} \text{ Ans.}$$

(c) 7,14,345 and 5,37,705

Sol:-

(6) (10) (13) (13)

$$\begin{array}{r} 714345 \\ - 537705 \\ \hline 176640 \end{array}$$

(d) 6,67,800 and 3,45,925

Sol:-

(6) (17) (9) (10)

$$\begin{array}{r} 667800 \\ - 345925 \\ \hline 321875 \end{array} \text{ Ans.}$$

2. Subtract :

$$\begin{array}{r}
 \text{(a.) L T Th Th H T O} \\
 28 \ 54 \ 69 \\
 -13 \ 53 \ 44 \\
 \hline
 15 \ 01 \ 25
 \end{array}
 \qquad
 \begin{array}{r}
 \text{(b.) L T Th Th H T O} \\
 4 \ 12 \ 12 \ 0 \ 3 \ 10 \\
 53 \ 26 \ 40 \\
 -27 \ 53 \ 24 \\
 \hline
 25 \ 73 \ 16
 \end{array}$$

$$\begin{array}{r}
 \text{(c.) L T Th Th H T O} \\
 0 \ 3 \ 13 \ 0 \ 6 \ 12 \\
 64 \ 36 \ 72 \\
 -31 \ 95 \ 17 \\
 \hline
 32 \ 41 \ 55
 \end{array}$$

3. Fill in the boxes with correct digit:

$$\begin{array}{r}
 \text{(a.)} \quad 7 \ 6 \ [3] \ 1 \ [4] \ 5 \\
 - [4] \ 2 \ 1 \ [3] \ 0 \ 8 \\
 \hline
 3 \ [ ] \ 1 \ 8 \ 3 \ [7]
 \end{array}$$

$$\begin{array}{r}
 \text{(b.)} \quad 8 \ [9] \ 6 \ 7 \ [7] \ 4 \\
 -2 \ 5 \ [3] \ 5 \ 4 \ 2 \\
 \hline
 [6] \ 4 \ 3 \ [2] \ 3 \ [2]
 \end{array}$$

Exercise - 9

Solve the following and check the answer:

$$\begin{array}{r} \textcircled{1} \quad 5 \quad 4 \quad 3 \quad 2 \\ + 6 \quad 3 \quad 1 \quad 4 \\ \hline 11 \quad 7 \quad 4 \quad 6 \end{array}$$

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \quad \textcircled{1} \\ (2) \quad 8 \quad 9 \quad 6 \quad 4 \quad 3 \\ + 5 \quad 4 \quad 3 \quad 9 \quad 2 \\ \hline 14 \quad 4 \quad 0 \quad 3 \quad 5 \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad \textcircled{16} \quad \textcircled{13} \quad \textcircled{13} \\ (3) \quad 6 \quad 7 \quad 4 \quad 3 \quad 1 \\ - 5 \quad 9 \quad 9 \quad 8 \quad 1 \\ \hline 0 \quad 7 \quad 4 \quad 5 \quad 0 \end{array}$$

Exercise - 10

Fill in the boxes:

$$(1) \quad 28,172 - 0 = \boxed{28,172}$$

$$(2) \quad 72,999 - 1 = \boxed{72,998}$$

$$(3) \quad 98,233 - \boxed{1} = 98,232$$

$$(4) \quad 1,14,234 - \boxed{0} = 1,14,234$$

$$(5) \quad 47,235 - 47,235 = \boxed{0}$$

$$(6) \quad 72,998 - \boxed{72,998} = 0$$



### Exercise - 11

(1) The sum of two numbers is 57,295.  
If one number is 25,487, find the  
other number.

Solution: Other number (6) (12) (8) (15)

$$\begin{array}{r} = 57,295 - 25,487 \\ = 31,808 \end{array} \quad \begin{array}{r} 57295 \\ - 25487 \\ \hline 31808 \end{array}$$

Thus, the other number is 31,808

(2) The population of a town is 4,75,173.  
If the number of males is 2,58,745,  
find the number of females in the town.

Solution: Number of females

$$\begin{array}{r} = \text{Total population} - \text{Number of males} \\ = 4,75,173 - 2,58,745 \\ = 2,16,428 \end{array} \quad \begin{array}{r} (6) (14) (11) (6) (13) \\ 475173 \\ - 258745 \\ \hline 216428 \end{array}$$

Thus, the number of females  
in the town is 2,16,428

(3) what must be added to 43,172 to get 82,054?

Solution: Required Number

$$= 82,054 - 43,172$$

$$= 38,882$$

So, 38,882 must be added to 43,172 to get 82,054.

$$\begin{array}{r} \textcircled{7} \textcircled{11} \textcircled{9} \textcircled{15} \\ 82054 \\ - 43172 \\ \hline 38882 \end{array}$$

(4) Mrs. Khanna has ₹ 8,28,050 in her bank account. She used ₹ 4,57,375 to buy new car. How much money is left with her?

Solution: The money left with Mrs. Khanna

$$= ₹ 8,28,050 - ₹ 4,57,375$$

$$= ₹ 3,70,675$$

So, the amount left with

Mrs. Khanna is ₹ 3,70,675

$$\begin{array}{r} \textcircled{7} \textcircled{12} \textcircled{7} \textcircled{9} \textcircled{14} \textcircled{10} \\ 828050 \\ - 457375 \\ \hline 370675 \end{array}$$

(5) 1,45,280 students appeared in an examination. 1,28,425 students passed the examination. How many students failed?

Solution:- Number of students failed

$$\begin{array}{r}
 = 1,45,280 - 1,28,425 \\
 = 16,855
 \end{array}$$

$$\begin{array}{r}
 \textcircled{3} \textcircled{1} \textcircled{2} \textcircled{7} \textcircled{10} \\
 145280 \\
 - 128425 \\
 \hline
 016855
 \end{array}$$

(6) Raja bought a television set for ₹ 38,450. He gave ₹ 40,000 to the shopkeeper. How much money did he get back?

Solution:- The money received back by Raja

$$= ₹ 40,000 - ₹ 38,450$$

$$= ₹ 1,550$$

So, the money received back by Raja = ₹ 1,550

$$\begin{array}{r}
 \textcircled{3} \textcircled{9} \textcircled{9} \textcircled{10} \\
 40000 \\
 - 38450 \\
 \hline
 01550
 \end{array}$$

(7.) A dictionary has 88,728 words. Mohan has read 37,487 words out of these. How many words are left to be read?

Solution:- The number of words are left to be read.

$$\begin{array}{r} = 88,728 - 37,487 \\ = 51,241 \end{array}$$

$$\begin{array}{r} \textcircled{6} \textcircled{12} \\ 88728 \\ - 37487 \\ \hline 51241 \end{array}$$

Thus, 51,241 words are left to be read.