

## Chapter 7 Information Processing

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Quick ways of adding (Text Book Page No. 49):

Complete the table				
+	0	1	2	10
1	1	2	3	11
3				
4				
9		10		
12				
25	25			
73				
86			88	
325				
791				
228				238
998		999		

Answer:

+	0	1	2	10
1	1	2	3	11
3	3	4	5	13
4	4	5	6	14
9	9	10	11	19

12	12	13	14	22
25	25	26	27	35
73	73	74	75	83
86	86	87	88	96
325	325	326	327	335
791	791	792	793	801
228	228	229	230	238
998	998	999	1000	1008

### Exercise (Text Book Page No. 50):

Find the sum of

i)  $5 + 1 + 5 + 9$

Answer:

$$5 + 1 + 5 + 9$$

$$5 + 5 = 10$$

$$9 + 1 = 10$$

$$\text{Hence the sum} = 10 + 10 = 20$$

ii)  $2 + 5 + 5 + 7 + 1$

Answer:

$$2 + 5 + 5 + 7 + 1$$

$$2 + 7 + 1 = 10$$

$$5 + 5 = 10$$

$$\text{Hence the sum} = 10 + 10 = 20$$

iii)  $3 + 6 + 1 + 2 + 8$

Answer:

$$3 + 6 + 1 + 2 + 8$$

$$3 + 6 + 1 + 2 + 8$$

$$3 + 6 + 1 = 10$$

$$8 + 2 = 10$$

$$\text{Hence the sum} = 10 + 10 = 20$$

Add the given big numbers using the above method (Text Book Page No. 51):

Question 1.

	H	T	O
	5	4	3
+	2	1	0
<hr/>			
<hr/>			

Answer:

$$543 = 500 + 40 + 3$$

$$210 = 200 + 10$$

500	40	3
200	10	0
700	750	753

Question 2.

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

Answer:

$$298 = 200 + 90 + 8$$

$$501 = 500 + 1$$

200	90	8
500	0	1
700	790	799

Question 3.

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

**Answer:**

$$798 = 700 + 90 + 8$$

$$654 = 600 + 50 + 4$$

700	90	8
600	50	4
1300	1440	1452

Question 4.

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

**Answer:**

$$348 = 300 + 40 + 8$$

$$681 = 600 + 80 + 1$$

300	40	8
600	80	1
900	1020	1029

Question 5.

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

**Answer:**

$$543 = 500 + 40 + 3$$

$$218 = 200 + 10 + 8$$

500	40	3
200	10	8
700	750	761

**Question 6.**

	H	T	O
	7	1	6
+	5	4	0
<hr/>			
<hr/>			

**Answer:**

$$716 = 700 + 10 + 6$$

$$540 = 500 + 40 + 0$$

700	10	6
500	40	0
1200	1250	1256

**Quick ways of subtracting (Text Book Page No. 52):**

Complete the table				
-	0	1	2	10
21	21	20	19	11
23				
24				
29		28		
12				
25	25			
73				
86			84	
325				
791				
228				218
998		997		

Answer:

-	0	1	2	10
21	21	20	19	11
23	23	22	21	13
24	24	23	22	14
29	29	28	27	19
12	12	11	10	2
25	25	24	23	15
73	73	72	71	63
86	86	85	84	76
325	325	324	323	315
791	791	790	789	781
228	228	227	226	218
998	998	997	996	988

Subtract the given numbers using the above method (Text Book Page No. 53):

Question 1.

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 5 \quad 4 \quad 3 \\ - 2 \quad 1 \quad 0 \\ \hline \\ \hline \end{array}$$

Answer:

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 5 \quad 4 \quad 3 \\ - 2 \quad 1 \quad 0 \\ \hline 3 \quad 3 \quad 3 \\ \hline \end{array}$$

Question 2.

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 2 \quad 9 \quad 8 \\ - 1 \quad 0 \quad 1 \\ \hline \\ \hline \end{array}$$

Answer:

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 2 \quad 9 \quad 8 \\ - 1 \quad 0 \quad 1 \\ \hline 1 \quad 9 \quad 7 \\ \hline \end{array}$$

Question 3.

	H	T	O
	7	9	8
-	6	5	4
<hr/>			
<hr/>			

Answer:

	H	T	O
	7	9	8
-	6	5	4
<hr/>			
	1	4	4
<hr/>			

Question 4.

	H	T	O
	3	4	8
-	1	1	1
<hr/>			
<hr/>			

Answer:

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

Question 5.

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

Answer:

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

Question 6.

	H	T	O
	7	1	6
-	5	4	0
<hr/>			
<hr/>			

Answer:

	H	T	O
	7	1	6
-	5	4	0
<hr/>			
	1	7	6
<hr/>			

Question 7.

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 4 \quad 5 \quad 0 \\
 - 3 \quad 4 \quad 9 \\
 \hline
 \\
 \hline
 \end{array}$$

Answer:

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 4 \quad 5 \quad 0 \\
 - 3 \quad 4 \quad 9 \\
 \hline
 1 \quad 0 \quad 1
 \end{array}
 \begin{array}{c}
 \leftarrow \textcircled{-1} \rightarrow \\
 \leftarrow \textcircled{-1} \rightarrow
 \end{array}
 \begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 4 \quad 4 \quad 9 \\
 - 3 \quad 4 \quad 8 \\
 \hline
 1 \quad 0 \quad 1
 \end{array}$$

Question 8.

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 5 \quad 6 \quad 0 \\
 - 3 \quad 2 \quad 5 \\
 \hline
 \\
 \hline
 \end{array}$$

Answer:

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 5 \quad 6 \quad 0 \\
 - 3 \quad 2 \quad 5 \\
 \hline
 2 \quad 3 \quad 5
 \end{array}
 \begin{array}{c}
 \leftarrow \textcircled{-1} \rightarrow \\
 \leftarrow \textcircled{-1} \rightarrow
 \end{array}
 \begin{array}{r}
 \text{H} \quad \text{T} \quad \text{O} \\
 5 \quad 5 \quad 9 \\
 - 3 \quad 2 \quad 4 \\
 \hline
 2 \quad 3 \quad 5
 \end{array}$$

Question 9.

	H	T	O	
	9	8	0	
-	5	7	5	
<hr/>				
<hr/>				

**Answer:**

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## Mental Arithmetic (Text Book Page No. 54):

### Able to add and subtract single digit numbers and two digit numbers mentally:

#### Question 1.

In a tree planting ceremony, 6 coconut saplings and 5 neem saplings are planted. Find the total number of saplings planted.

**Answer:**

$$6 + 5 = 11$$

#### Question 2.

There are 5 tender coconuts in a tree. If they pick 3 tender coconuts, then find the remaining tender coconuts?

**Answer:**

$$5 - 3 = 2$$

#### Question 3.

46 boys and 27 girls visited a park on Sunday. Find the total number of boys and girls who visited the park?

**Answer:**

$$46 + 27 = 73$$

#### Question 4.

50 pens are in a box. Out of which, 34 pens are given to the students. Find the number of pens left?

**Answer:**

$$50 - 34 = 16$$

**Question 5.**

70 balls are given to 7 persons. How many balls are given to each person?

**Answer:**

$$70 \div 7 = 10 \quad [10 \times 7 = 70]$$

**Question 6.**

8 books can be arranged in a row. In how many rows can 48 books be arranged?

**Answer:**

$$48 \div 8 = 6 \quad [8 \times 6 = 48]$$

**Question 7.**

10 pens can be kept in a box. How many boxes are needed to keep 100 pens?

**Answer:**

$$100 \div 10 = 10$$