

### Exercise -3.3

**1 :- Estimate the difference .**

**A :- 9 1 2 — 2 6 8**

$$2 < 5$$

**Sol :-** 9 1 2  $\xrightarrow{\hspace{10em}}$  9 1 0  
10 --- 12 --- 20

$$8 > 5$$

2 6 8  $\xrightarrow{\hspace{10em}}$  2 7 0  
60 --- 68 --- 70

**Actual difference**

**Estimated difference**

$$\begin{array}{r} 9\ 1\ 2 \\ - 2\ 6\ 8 \\ \hline 6\ 4\ 4 \end{array}$$

$$\begin{array}{r} 9\ 1\ 0 \\ - 2\ 7\ 0 \\ \hline 6\ 4\ 0 \end{array}$$

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**B :- 6 0 6 — 1 3 5**

$$6 > 5$$

**Sol :-** 6 0 6  $\xrightarrow{\hspace{10em}}$  6 1 0  
1 ---- 6 ---- 10

$$5 = 5$$

1 3 5  $\xrightarrow{\hspace{10em}}$  1 4 0  
30 --- 35 --- 40

**Actual difference**

**Estimated difference**

$$\begin{array}{r} 6\ 0\ 6 \\ - 1\ 3\ 5 \\ \hline 4\ 7\ 1 \end{array}$$

$$\begin{array}{r} 6\ 1\ 0 \\ - 1\ 4\ 0 \\ \hline 4\ 7\ 0 \end{array}$$

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$$C :- 6 \ 2 \ 8 \ 3 - 3 \ 7 \ 9 \ 6$$

$$3 < 5$$

$$Sol :- 6 \ 2 \ 8 \ 3 \xrightarrow{\hspace{10em}} 6 \ 2 \ 8 \ 0$$

$$80 - 83 = 90$$

$$6 > 5$$

$$3 \ 7 \ 9 \ 6 \xrightarrow{\hspace{10em}} 3 \ 8 \ 0 \ 0$$

$$90 - 96 = 100$$

**Actual difference**

**Estimated difference**

$$\begin{array}{r} 6 \ 2 \ 8 \ 3 \\ - 3 \ 7 \ 9 \ 6 \\ \hline 2 \ 4 \ 8 \ 7 \end{array}$$

$$\begin{array}{r} 6 \ 2 \ 8 \ 0 \\ - 3 \ 8 \ 0 \ 0 \\ \hline 2 \ 4 \ 8 \ 0 \end{array}$$

**2 :- Solve the following word problem .**

**A :-** In a cricket series , the total runs scored by Sachin , Dhoni and Sehwag were 2068 . If Sachin scored 1254 and Dhoni scored 450 , how many runs did Sehwag score ?

**Sol:-**

	Th	H	T	O
Sachin scored =	1	2	5	4

Dhoni scored =	+	4	5	0
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Sachin and dhoni scored =	<u>1</u>	<u>7</u>	<u>0</u>	<u>4</u>
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Total score is =	2	0	6	8
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Sachin and dhoni scored =	-	7	0	4
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Sehwag score =	<u>1</u>	<u>3</u>	<u>6</u>	<u>4</u>
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**B :- Sumit travelled 1 5 0 0 Km . He covered 1 1 0 0 Km by car and 1 1 8 Km by bus and remaining by train . How much distance did he cover by train ?**

**Sol:-**

**Th T H O**

**Distance covered by car = 1 1 0 0 Km**

**Distance covered by bus = + 1 1 8 Km**

**Distance covered by**

**Car and bus = 1 2 1 8 Km**

**Sumit travelled = 1 5 0 0 Km**

**Distance covered by**

**Car and bus = - 1 2 1 8 Km**

**Distance covered by**

**train = 2 8 2 Km**

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