

Exercise :-> 13 B

1) a)
$$\begin{array}{r} 5 \text{ min } 30 \text{ s} + 5 \text{ min } 30 \text{ s} \\ \text{min} \qquad \qquad \text{sec.} \\ 5 \qquad \qquad \qquad 30 \\ + \quad 5 \qquad \qquad \quad 30 \\ \hline 10 \qquad \qquad \quad 60 \end{array}$$

$$10 \text{ min } 60 \text{ sec}$$

$$1 \text{ min} = 60 \text{ sec.}$$

$$10 + 1 = 11 \text{ min}$$

b)
$$1 \text{ min } 20 \text{ s} + 3 \text{ min } 45 \text{ s.}$$

	min	seconds
	1	20
+	3	45
	<hr/> 4	<hr/> 65

$$4 \text{ min } 65 \text{ sec.}$$

$$4 + 60 \text{ (1 min)} = 5 \text{ min } 5 \text{ sec.}$$

c)
$$2 \text{ h. } 25 \text{ min} + 45 \text{ min}$$

	Hours	min
	2	25
+	0	45
	<hr/> 2	<hr/> 70

(1 min = 60 sec.)

$$70 \text{ min} = 1 \text{ h. } 10 \text{ min} \quad (1 \text{ h} = 60 \text{ min})$$

$$2 \text{ h} + 1 \text{ h } 10 \text{ min}$$

$$= 3 \text{ h } 10 \text{ min Ans.}$$

d) 1 h 40 min + 1 h 40 min

	Hours	min
	1	40
+	1	40
	<hr style="width: 50%; margin: 0 auto;"/>	<hr style="width: 50%; margin: 0 auto;"/>
	2 h.	80

80 min = 1 hour 20 min
 2 h + 1 h = 3 h 20 min

e) 3 years 7 months + 4 years 5 months

	years	months
	3	7
+	4	5
	<hr style="width: 50%; margin: 0 auto;"/>	<hr style="width: 50%; margin: 0 auto;"/>
	7	12

→ 12 months = 1 year
 7 year + 1 year = 8 year.

f) 10 years 7 months + 11 years 7 months

	years	month.
	10	7
+	11	7
	<hr style="width: 50%; margin: 0 auto;"/>	<hr style="width: 50%; margin: 0 auto;"/>
	21	14

14 month. = 1 year 2 month
 = 22 year 2 month.

2) a) $8 \text{ min } 10 \text{ s} - 7 \text{ min } 2 \text{ s}$

min	10 s	-	7 min	2 s
8				
7				
1				
			8	

1 min 8 sec Ans.

b) $13 \text{ min} - 5 \text{ min } 35 \text{ sec}$

min	sec	
12	60	1 min (60 sec.)
13	0	
5	35	
7	25	

7 min 25 sec.

c) $9 \text{ h } 20 \text{ min} - 3 \text{ h } 40 \text{ min}$

h.	60 min	
8	20	60 min
9	40	
5	40	

5 h 40 min

d) $8\text{ h } 40\text{ min} - 3\text{ h } 50\text{ min}$

hours	$1\text{ h} = 60$	minutes	}	$[1\text{ h} = 60\text{ min}]$
7 8	\rightarrow	40 ⁶⁰		
<u>3</u>		<u>50</u>		
4		50		

4 hours 50 minutes.

e) $5\text{ years } 3\text{ months} - 2\text{ years } 3\text{ months}$

years		months	}	$[1\text{ year} = 12\text{ months}]$ $= 12 + 6 = 18$
<u>5</u>		<u>3</u>		
<u>2</u>		<u>3</u>		
3		0		

3) Application in real life.

a) Anisha practised " _____ " " _____ " " _____ " practise in all

One day = 35 minutes.

next day = 45 minutes.

she practised in all = 35 min

+ 45 min

= 80 min

80

1 h = 60 min

80 = 1 h 20 min

b): Harish went " _____ " " _____ " " _____ " " _____ " education is that

Harish went to school : 11 year 6 man.

Harish went to college :- 5 year 9 man.

years of education is = 7 min

$$\begin{array}{r}
 11 \quad 6 \\
 + \quad 5 \quad 9 \\
 \hline
 16 \quad 15
 \end{array}$$

⇒ 15 min.

= 12 month = 1 year.

1 year = 3 month

17 year = 3 month Ans.

e): A postman " _____ " " _____ " " _____ " our delivering ?

A postman delivered a parcel = 2 h 15 min

delivered a letter = 3 h 45 min

5 h 60 min

60 min = 1 h.

5 h + 1 h

6 h Ans.