



Ex-20(c)



1 (a) hours mins

$$\begin{array}{r}
 6 \quad 20 \\
 + 5 \quad 36 \\
 \hline
 11 \quad 56
 \end{array}$$

(b) ϕ has mins

$$\begin{array}{r}
 \phi \quad 1 \\
 15 \quad 35 \\
 + 7 \quad 45 \\
 \hline
 \del{23} \quad \del{80} \\
 23 \quad 20
 \end{array}
 \qquad
 \begin{array}{r}
 80 \\
 - 60 \\
 \hline
 20
 \end{array}$$

c. has mins

$$\begin{array}{r}
 \phi \quad 1 \\
 25 \quad 44 \\
 + 26 \quad 36 \\
 \hline
 47 \quad \del{80} \\
 \hline
 20
 \end{array}$$

Ans: 1 day 18 hrs 20min

d. mins secs

7 25
12 18

19 43

e. min secs

17 0
~~18~~ 29
20 49

37 ~~79~~

14

f) mins secs

~~20~~
~~28~~
+ 15 32

44 ~~78~~

18

g) hrs mins

2 40
5 30
9 50

16 ~~120~~

60

2 a. yrs mths

$$\begin{array}{r}
 15 \\
 + 20 \\
 \hline
 35
 \end{array}
 \qquad
 \begin{array}{r}
 4 \\
 2 \\
 \hline
 8
 \end{array}$$

b. yrs mths

$$\begin{array}{r}
 12 \\
 + 21 \\
 \hline
 34
 \end{array}
 \qquad
 \begin{array}{r}
 6 \\
 8 \\
 \hline
 4
 \end{array}$$

c. yrs mths

$$\begin{array}{r}
 6 \\
 + 10 \\
 \hline
 16
 \end{array}
 \qquad
 \begin{array}{r}
 8 \\
 4 \\
 \hline
 12
 \end{array}$$

$$\begin{array}{r}
 17 \\
 \hline
 00
 \end{array}$$

3. a. days hrs

$$\begin{array}{r}
 7 \\
 - 5 \\
 \hline
 2
 \end{array}
 \qquad
 \begin{array}{r}
 18 \\
 12 \\
 \hline
 06
 \end{array}$$

b.

dys	has
11	18 4
12	10
<u>7</u>	<u>19</u>
<u>4</u>	<u>15</u>

(c).

dys	has
11	24
12	00
<u>9</u>	<u>05</u>
<u>2</u>	<u>19</u>

d.

week	dys
7	10
8	9
<u>5</u>	<u>9</u>
<u>2</u>	<u>1</u>

(e)

has	mins
11	40
9	25
<u>2</u>	<u>15</u>

(2)

hrs	mins	
4	85	25
5	25	<u>60</u>
- 3	95	85
<u>1</u>	<u>39</u>	

(g)

hrs	mins
21	60
22	00
- 10	45
<u>11</u>	<u>15</u>

(b)

mins	secs
47	54
12	40
<u>5</u>	<u>14</u>

(i)

mins	secs
21	73
22	13
15	28
<u>6</u>	<u>45</u>

(j)	mins	secs
	31	50
	32	00
	- 25	50
	<u>6</u>	<u>60</u>

(k)	ys	mths
	15	11
	- 12	09
	<u>3</u>	<u>2</u>

(l)	ys	mths
	14	17
	+ 5	05
	- 8	11
	<u>6</u>	<u>6</u>

(m)	ys	mths
	19	12
	20	<u>00</u>
	- 12	10
	<u>7</u>	<u>2</u>



Interesting facts about Time

1. A day on ~~to~~ Earth isn't exactly 24 hours long. It is 23 hrs, 56 mins, 4 seconds & 200 milliseconds.

2. When dinos were alive, ~~a day~~ ~~was~~ a year was 370 days long.

3. Normal year has 365 days but a leap year has 366 days.

The earth takes 6 hours to rotate to revolve around the sun. So, we get an extra day every 4 years.

4. Different parts of the world

are located in different time zones

This means when you are having breakfast, someone is having his snacks.

5. An institute in Colorado has

invented such a clock

that it won't lose/gain a second

in 20 million years

6. A jubilee is a particular anniversary,

usually denoting 25th, ~~40th~~, ~~50th~~, ~~60th~~

30th, 35th, 40th, 45th, 50th, 55th, 65th,

70th anniversary. Names of jubilees:-

Silver Jubilee = 25 years

Pearl Jubilee = 30 yrs

Coral jubilee - 35 yrs

Ruby jubilee - 40 yrs

Sapphire jubilee - 45 yrs

Golden jubilee - 50 yrs

Emerald jubilee - 55 yrs

Diamond jubilee - 60 yrs

Blue sapphire jubilee - 65 yrs

Platinum jubilee - 70 yrs