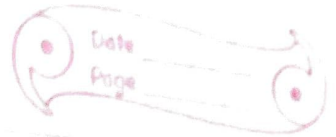


Conversion of time

Ex-15 (C)



5. Convert into hours and minutes.

a) 135 minutes

60 minutes = 1 hour.

$$135 \text{ minutes} = 135 \div 60$$

$$= 60 \overline{) 135} \begin{array}{r} 2 \\ - 120 \\ \hline 15 \end{array}$$

Ans- 2 hours 15 minutes

b) 80 minutes

60 minutes = 1 hour

$$80 \text{ minutes} = 80 \div 60$$

$$= 60 \overline{) 80} \begin{array}{r} 1 \\ - 60 \\ \hline 20 \end{array}$$

Ans- 1 hour 20 minutes

c) 750 minutes

60 minutes = 1 hour

750 minutes = $750 \div 60$

$$\begin{array}{r} 12 \\ 60 \overline{) 750} \\ \underline{- 60} \\ 150 \\ \underline{- 120} \\ 30 \end{array}$$

Ans- 12 hours 30 ~~0~~ minutes

6. Convert into days and hours.

a) 72 hours

24 hours = 1 day

72 hours = $72 \div 24$

$$= \begin{array}{r} 3 \\ 24 \overline{) 72} \\ \underline{- 72} \\ 0 \end{array}$$

Ans - 3 days

b) 100 hours

$$24 \text{ hours} = 1 \text{ day}$$

$$100 \text{ hours} = 100 \div 24$$

$$= \begin{array}{r} 4 \\ 24 \overline{) 100} \\ \underline{- 96} \\ 04 \end{array}$$

Ans - 4 days 4 hours

7. Convert into hours, minutes and seconds

a) 3840 seconds

$$60 \text{ seconds} = 1 \text{ minute}$$

$$8,840 \text{ seconds} = 3,840 \div 60 = 64 \text{ minutes}$$

64 minutes

$$\begin{array}{r} 60 \overline{) 3840} \\ \underline{360} \\ 240 \\ \underline{240} \\ 00 \end{array}$$

$$60 \text{ minutes} = 1 \text{ hour}$$

$$64 \text{ minutes} = 64 \div 60 =$$

$$\begin{array}{r} 1 \\ 60 \overline{) 64} \\ \underline{60} \\ 04 \end{array}$$

1 hour 4 minutes

Ans- $3,840 \text{ seconds} = 1 \text{ hour } 4 \text{ min } 00 \text{ sec}$

b) $4,740 \text{ seconds}$

$$60 \text{ seconds} = 1 \text{ minute}$$

$$4,740 \text{ seconds} = 4,740 \div 60 = 79 \text{ minutes}$$

79 minutes

$$\begin{array}{r} 79 \\ 60 \overline{) 4740} \\ \underline{420} \\ 540 \\ \underline{540} \\ 00 \end{array}$$

60 minutes = 1 hour

79 minutes = $79 \div 60 =$

$$\begin{array}{r} 1 \\ 60 \overline{) 79} \\ \underline{60} \\ 19 \end{array}$$

1 hour 19 minutes

Ans- 4,740 seconds = 1 hour 19 min 00 sec

8. Match the following

Column A

Column B

- | | |
|-----------------------------|-----------------------|
| a) 11:30 am to 1:45 pm | 1) 250 hours |
| b) A leap year | 2) 12 hours |
| c) 70 minutes | 3) 2 hours 15 minutes |
| d) 10 days to hour | 4) 366 days |
| e) 0200 hours to 1400 hours | 5) 1 hour 600 seconds |