

# TIME Exercise 20A

1. Convert:

a. 15 hours into minutes

$$\begin{aligned}\text{Ans. } 15 \text{ h} &= 15 \times 60 \\ &= 900 \text{ min}\end{aligned}$$

b. 9 hours 56 minutes into minutes.

$$\begin{aligned}\text{Ans. } 9 \text{ hours} \times 60 \\ &= 540 \text{ m} \\ &= 540 + 56 \\ &= 596 \text{ min}\end{aligned}$$

c. 36 minutes into seconds

$$\begin{aligned}\text{ANS. } 36 \times 60 \\ &= 2160 \text{ min}\end{aligned}$$

d. 12 minutes 28 seconds into seconds.

$$\begin{aligned}12 \times 60 \\ &= 720 \text{ ~~min~~ sec} \\ &= 720 + 28\end{aligned}$$

e. 5 days into hours

$$\begin{aligned} \text{Ans} \quad & 5 \times 24 \\ & = 120 \text{ hrs} \end{aligned}$$

f. 12 days 9 hrs into hours.

$$\begin{aligned} \text{Ans:} \quad & 12 \times 24 \\ & = 288 \text{ hrs} \\ & = 288 + 9 \text{ hrs} \\ & = 297 \text{ hrs} \end{aligned}$$

g. 11 hrs 45 minutes into minutes

$$\begin{aligned} \text{Ans} \quad & 11 \times 60 \\ & = 660 \\ & = 660 + 45 \\ & = 705 \text{ mins} \end{aligned}$$

2 Convert:

a. 5 years 9 months into months.

$$\begin{aligned} \text{Ans} \quad & 5 \times 12 \\ & = 60 + 9 \\ & = 69 \text{ months.} \end{aligned}$$

b. 9 weeks into days

Ans.  $9 \times 7$   
 $= \text{week 2 days } 63 \text{ days}$

c. 12 weeks 15 days into days

Ans.  $12 \times 7$   
 $= 84 + 15$   
 $= 99 \text{ days}$

d. 7 weeks into hours

Ans.  $7 \times 7$   
 $= 49$   
 $= 49 \times 24$   
 $= 1176 \text{ hrs}$

e. 12 weeks 10 hrs into hrs.

Ans.  $12 \times 7$   
 $= 84$   
 $= 84 \times 24$   
 $= 2016 + 10$   
 $= 2026 \text{ hrs}$

2 years 10 months into months

$$2 \times 12$$

$$= 24 + 10$$

$$= 34 \text{ months}$$

Convert:

1 day into seconds

$$\begin{aligned} & 24 \times 60 \\ & = \cancel{1440 \times 60} \quad 1440 \times 60 \\ & = \cancel{90200 \text{ seconds}} \quad 86,400 \text{ sec} \end{aligned}$$

5 weeks into seconds.

$$\begin{aligned} & 7 \times 5 \\ & = 35 \times \cancel{24} \\ & = \cancel{2100 \text{ sec}} \quad 840 \text{ sec} \\ & = \cancel{2100 \times 60} \quad 50,400 \text{ sec} \times 60 \\ & = \cancel{126,000 \text{ sec}} \quad \underline{\underline{3024,000}} \end{aligned}$$

2 months into seconds

$$\begin{aligned} & 2 \times 30 \\ & = 60 \times 24 \\ & = 1440 \times 60 \\ & = 86,400 \times 60 \\ & = 5,184,000 \end{aligned}$$