

22/12/25

Worksheet IV

Ch-12

"Money"

Ex 12.3

A Convert the following.

1. 7 hours into minutes.

Sol 1 hr = 60 minutes

$$7 \text{ hrs} = 60 \times 7 \text{ minutes}$$

$$= 420 \text{ minutes.}$$

2. 15 minutes into seconds

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

$$15 \text{ minutes} = 60 \times 15$$

$$= 900 \text{ seconds.}$$

⑤ 8 years into months

Sol 1 year = 12 months

8 years = 12×8 months

= 96 months

⑥ 9 years 8 months into months.

1 year = 12 months

9 year = 12×9 months

= 108 months

108 months + 8 months

= 116 months

⑦ 18 weeks into days

$$1 \text{ week} = 7 \text{ days}$$

$$18 \text{ weeks} = 18 \times 7 \text{ days}$$

$$= 126 \text{ days}$$

⑧ 4 months 23 days into days

$$1 \text{ month} = 30 \text{ days}$$

$$4 \text{ months} = 30 \times 4$$

$$= 120 \text{ days}$$

$$120 \text{ days} + 23 \text{ days} = 143 \text{ days}$$

$$\begin{array}{r} 120 \\ 23 \\ \hline 143 \end{array}$$

Q^B Convert the following.

① 840 minutes into hours

Solⁿ 1 hr. = 60 minutes

$$1 \text{ min} = \frac{1}{60} \text{ hrs}$$

$$840 \text{ min.} = \frac{840}{60}$$

$$84 \div 6 = 14$$

14 hrs.

② 960 Seconds into minutes

$$1 \text{ minutes} = 60 \text{ Sec.}$$

Solⁿ 1 Sec = $\frac{1}{60}$ min.

$$960 \text{ Sec} = \frac{960}{60} \text{ minutes}$$

$$96 \div 6 = 16 \text{ minutes}$$

$$\begin{array}{r} 6 \overline{) 84} \text{ (14)} \\ - 6 \\ \hline 24 \\ - 24 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6 \overline{) 96} \text{ (16)} \\ - 6 \\ \hline 36 \\ - 36 \\ \hline 0 \end{array}$$

③ 415 minutes into hours and minutes

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

$$1 \text{ minutes} = \frac{1}{60} \text{ hrs}$$

$$415 \text{ minutes} = \frac{415}{60}$$

$$= 6 \text{ hrs. } 55 \text{ minutes}$$

$$\begin{array}{r} 60 \overline{) 415} 6 \\ \underline{360} \\ 55 \end{array}$$

⑦

Sol

⑥ 84 months into year

$$1 \text{ year} = 12 \text{ months}$$

$$1 \text{ months} = \frac{1}{12} \text{ years}$$

$$84 \text{ months} = \frac{84}{12}$$

$$7 \text{ years}$$

$$\begin{array}{r} 12 \overline{) 84} 7 \\ \underline{84} \\ \times \\ \hline \end{array}$$

⑧

⑦ 78 months into years and months

Sol
1 month = $\frac{1}{12}$ year

$$78 \text{ months} = \frac{78}{12}$$

= 6 years 6 months.

$$\begin{array}{r} 12 \overline{) 78} \quad 6 \\ \underline{72} \\ 6 \end{array}$$

⑧ 235 days into months and days.

1 month = 30 days

1 days = $\frac{1}{30}$ month

$$235 \text{ days} = \frac{235}{30} \text{ months}$$

7 months 25 days.

$$\begin{array}{r} 30 \overline{) 235} \quad 7 \\ \underline{210} \\ 25 \end{array}$$