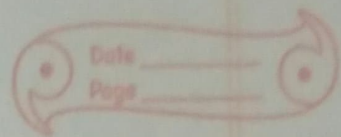


H.W
10/12/2021

EXERCISE 15(C)



3. Convert into seconds.

a) 6 minutes

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

$$6 \text{ minutes} = 6 \times 60$$

$$= 360 \text{ seconds}$$

b) 2 minutes 4 seconds

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

$$2 \text{ minutes } 4 \text{ seconds} = 2 \times 60 + 4$$

$$= 124 \text{ seconds}$$

c) 40 minutes 30 seconds

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

$$40 \text{ minutes } 30 \text{ seconds} = 40 \times 60 + 30$$

$$= 2,430 \text{ seconds}$$

d) 1 hour 2 minutes 30 seconds

1 hour = 60 minutes

60 minutes + 2 minutes = 62 minutes

1 minute = 60 seconds

62 minutes = $60 \times 62 = 3720$ seconds

$3720 + 30 = 3750$ seconds

$\therefore 1 \text{ hour} + 2 \text{ minutes} + 30 \text{ seconds} = 3750 \text{ seconds}$

4. Convert into minutes and seconds.

a) 450 seconds

60 seconds = 1 minute

450 seconds = $450 \div 60$

$$\begin{array}{r} 7 \\ 60 \overline{) 450} \\ \underline{- 420} \\ 30 \end{array}$$

$\therefore 7 \text{ minutes } 30 \text{ seconds}$

b) 540 seconds

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

$$540 \text{ seconds} = 540 \div 60$$

$$\begin{array}{r} 9 \\ 60 \overline{) 540} \\ \underline{- 540} \\ 0 \end{array}$$

\therefore 9 minutes 0 second

c) 900 seconds

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

$$900 \text{ seconds} = 900 \div 60$$

$$\begin{array}{r} 15 \\ 60 \overline{) 900} \\ \underline{- 600} \\ 300 \\ \underline{- 300} \\ 0 \end{array}$$

\therefore 15 minutes 0 second

d) 1006 seconds

60 seconds = 1 minute

1006 seconds = $1006 \div 60$

$$\begin{array}{r} 16 \\ 60 \overline{) 1006} \\ \underline{- 60} \\ 40 \\ \underline{- 36} \\ 046 \end{array}$$

\therefore 16 minutes 46 seconds