

3. Convert into seconds.

(a) 6 minutes

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

$$6 \text{ minute} = 6 \times 60 \\ = 360 \text{ seconds}$$

(b) 2 minutes 4 seconds

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

$$2 \text{ minutes } 4 \text{ seconds} = 2 \times 60 + 4 \\ = 120 + 4 \\ = 124 \text{ seconds.}$$

HW

13/12/21

Chapter-15

Exercise-15 (1)

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3. Convert into seconds.

(c) 40 minutes 30 seconds

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

$$40 \text{ minutes } 30 \text{ seconds} = 40 \times 60 + 30 \\ = 2400 + 30$$

$$= 2430 \text{ seconds.}$$

(d) 1 hour 2 minutes 30 seconds,

$$1 \text{ hour} = 60 \text{ minutes} = 3600 \text{ seconds}$$

$$1 \text{ hour } 2 \text{ minutes } 30 \text{ seconds}$$

$$= 62 \text{ minutes } 30 \text{ seconds}$$

$$= 62 \times 60 + 30$$

$$= 3720 + 30 = 3750 \text{ seconds.}$$

4. Convert into minutes and seconds.

(a) 450 seconds, 60 sec = 1m

$450 \div 60 = 7 \text{ minute}$
30 second

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

(b) 540 seconds

60 sec = 1m
 $540 \text{ seconds} = 540 \div 60$
= 9 minutes

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

(c) 900 seconds

60 seconds = 1 minute
 $900 \text{ seconds} = 900 \div 60$
= 15 minutes

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

(d) 1006 seconds

60 seconds = 1 minute
 $1006 \text{ seconds} = 1006 \div 60$
= 16 minutes and 46 seconds

$$\begin{array}{r} 16 \\ 60 \overline{) 1006} \\ \underline{- 60} \\ 406 \\ \underline{- 360} \\ 46 \end{array}$$