

c) 8 hours 40 seconds  
 1 hour = 60 minutes  
 $8 \text{ hours} = 60 \times 8 + 40$   
 $= 480 + 40$   
 $= 520 \text{ minutes}$

d) 15 hours 30 minutes  
 1 hour = 60 minutes  
 $15 \text{ hours} = 60 \times 15 + 30$   
 $= 900 + 30$   
 $= 930 \text{ minutes}$

3. Convert into seconds.

a) 6 minutes

b) 2 minutes 4 seconds

1 minute = 60 seconds

2 minutes =  $2 \times 60 + 4$   
 4 seconds

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

$= 120 + 4$   
 $= 124 \text{ seconds}$

c) 40 minutes 30 seconds    d) 1 hour 2 minutes 30 sec

40 minutes =  $40 \times 60 + 30$   
 30 seconds  
 $= 2400 + 30$   
 $= 2430 \text{ seconds}$

1 hour = 60 minutes  
 2 minutes =  $2 \times 60$   
 $= 120 \text{ sec.}$

60 minutes =  $60 \times 60$   
 $= 3600 \text{ sec.}$

Ans:  $3600 + 120 + 30$   
 $= 3750 \text{ seconds}$

4. Convert into minutes and seconds,

a) 450 seconds

60 seconds = 1 minute

450 seconds =  $450 \div 60$

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

Ans. 7 minutes 30 seconds

b) 540 seconds

60 seconds = 1 minute

540 seconds =  $540 \div 60$

$$\begin{array}{r} \overline{) 540} \\ \underline{- 540} \\ 00 \end{array}$$

Ans. 9 minutes

c) 900 seconds

60 seconds = 1 minute

900 seconds =  $900 \div 60$

$$\begin{array}{r}
 = 60 \overline{) 900} \quad (15 \\
 \underline{- 60} \downarrow \\
 300 \\
 \underline{- 300} \\
 0
 \end{array}$$

Ans. 15 minutes 00 seconds

d) 1006 seconds

60 seconds = 1 minute

1006 seconds =  $1006 \div 60$

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

Ans. 16 minutes 46 seconds