

(1) 8 hours 40 minutes

1 hour = 60 minutes

$$8 \text{ hours } 40 \text{ minutes} = 8 \times 60 + 40 \\ = 480 + 40 = 520 \text{ minutes.}$$

(2) 15 hours 30 minutes.

1 hour = 60 minutes

$$15 \text{ hours } 30 \text{ minutes} = 15 \times 60 + 30 \\ = 900 + 30 = 930 \text{ minutes.}$$

(3) 3 minutes

1 minute = 60 seconds

$$3 \text{ minutes} = 3 \times 60 = 180 \text{ seconds}$$



b) 2 minutes 4 seconds

2 minutes @ second

Sol 135 minutes

60 minutes = 1 hour

135 minutes =  $135 \div 60$

$$\begin{array}{r} 2 \text{ } \textcircled{2} \\ 60 \overline{) 135} \\ \underline{120} \phantom{0} \\ 15 \end{array}$$

~~Here~~ Here, the quotient 2 denotes

the hours and remainder is

~~represents~~ represents the minutes



b) 80 minutes

60 minutes = 1 hour

$$80 \text{ minutes} = 80 \div 60$$

$$\begin{array}{r} 60 \overline{) 80} \\ \underline{- 60} \\ 20 \end{array}$$

Here, the quotient 1 denotes the hours and remainder is represents the minutes

c) 750 minutes

60 minutes

$$750 \text{ minutes} = 750 \div 60$$

$$\begin{array}{r} 12 \overline{) 750} \\ \underline{- 60} \\ 150 \\ \underline{- 120} \\ 30 \end{array}$$



d) 1000 minutes

60 minutes

$$1000 \text{ minutes} = 1000 \div 60 = 80 \frac{16}{60}$$

Hence, the quotient 16 ~~100~~ 400  
denotes the hours and 360  
40

remains 40

600 72 hours

$$24 \text{ hours} = 1 \text{ day}$$

$$27 \text{ hours} = 72 \div 24$$



b) 100 days hour

24 hours = 1 day

100 hour =  $100 \div 24$

$$\begin{array}{r} = 24 \overline{) 100} \\ \underline{- 96} \\ 04 \end{array}$$

145

c) ~~100~~ ~~155~~ hours

24 hours = 1 day

145 hour =  $145 \div 24$

$$\begin{array}{r} = 24 \overline{) 145} \\ \underline{- 144} \\ 01 \end{array}$$



d) 240 hours

24 hours

$$240 \text{ hours} = 240 \div 24 = 24$$

$$\begin{array}{r} 10 \\ 24 \overline{) 240} \\ \underline{- 24} \phantom{0} \\ 000 \\ \underline{- 000} \\ 00 \end{array}$$

3c) 40 minutes ~~and~~ 30 seconds

$$2430 = 40 \times 60 + 30 = 2430$$

d. 1 hour 2 minutes 30 seconds

$$3600 \text{ Sec} = 60 \times 60 = 3600 + 120$$

$$30 - 3600$$



4. (a) 450 seconds = 7 minutes 30 second

$$\begin{array}{r} 7 \\ 60 \overline{) 450} \\ \underline{- 420} \\ 30 \end{array} \quad \begin{array}{l} 7 \text{ minutes} \\ 30 \text{ second} \end{array}$$

(b) 540 second

$$\begin{array}{r} 8 \\ 6 \overline{) 480} \\ \underline{- 480} \\ 0 \end{array} \quad \begin{array}{l} 8 \text{ minutes} \\ 0 \text{ second} \end{array}$$

(c) 900 second.

$$\begin{array}{r} 15 \\ 60 \overline{) 900} \\ \underline{- 60} \\ 300 \\ \underline{- 300} \\ 000 \end{array} \quad \begin{array}{l} 15 \text{ minutes} \\ 0 \text{ second} \end{array}$$

(d) 1008 second      16 minutes

$$\begin{array}{r} 16 \\ 6 \overline{) 1008} \\ \underline{- 60} \\ 408 \\ \underline{- 360} \\ 48 \end{array} \quad \begin{array}{l} 16 \text{ minutes} \\ 48 \text{ second} \end{array}$$