

Exercise - 15 (C)

1) Convert into hours

a) 8 days

1 day = 24 hours

$$8 \text{ days} = 24 \times 8 =$$

$$\begin{array}{r} \textcircled{3} \\ 24 \\ \times 8 \\ \hline 192 \end{array}$$

192 hours

b) 5 days 10 hours

1 day = 24 hours

$$5 \text{ days } 10 \text{ hours} = 5 \times 24 + 10 =$$

$$\begin{array}{r} \textcircled{2} \\ 24 \\ \times 5 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 120 \\ + 10 \\ \hline 130 \end{array}$$

130 hours

c) 10 days 20 hours

1 day = 24 hours

$$10 \text{ days } 20 \text{ hours} = 10 \times 24 + 20 =$$

24	240
x 10	+ 20
+ 00	<u>260</u>
24	
<u>240</u>	

260 hours

d) 6 days 2 hours

1 day = 24 hours

$$6 \text{ days } 2 \text{ hours} = 6 \times 24 + 2 =$$

24	144
x 6	+ 2
<u>144</u>	<u>146</u>

146 hours

2) convert into minutes

a) 3 hours

$$3 \times 60 =$$

$$\begin{array}{r} 60 \\ \times 3 \\ \hline 180 \end{array}$$

180 minutes

b) 2 hours 6 minutes

~~1 minute = 60 minutes~~ ~~60 seconds~~

1 hour = 60 minutes

$$2 \times 60 + 6$$

2) Convert into minutes

a) 3 hours

1 hour = 60 minutes

3 hours =  $3 \times 60$

$$\begin{array}{r} 60 \\ \times 3 \\ \hline 180 \end{array}$$

180 minutes

b) 2 hours 6 minutes

1 hour = 60 minutes

2 hours 6 minutes =  ~~$2 \times 24 + 6$~~

$2 \times 60 + 6$

$$\begin{array}{r} 60 \\ \times 2 \\ \hline 120 \end{array} \quad \begin{array}{r} 120 \\ + 6 \\ \hline 126 \end{array}$$

$$\begin{array}{r} 24 \\ \times 2 \\ \hline 48 \end{array}$$

126 minutes

c) 8 hours 40 minutes

1 hour = 60 minutes

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

$$\begin{array}{r} 60 \\ \times 8 \\ \hline 480 \end{array} \quad \begin{array}{r} ① 80 \\ + 40 \\ \hline 520 \end{array}$$

520 minutes

d) 15 hours 30 minutes

1 hour = 60 minutes

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

$$\begin{array}{r} ③ 15 \\ \times 60 \\ \hline + 00 \\ 90 \\ \hline 900 \end{array} \quad \begin{array}{r} 900 \\ + 30 \\ \hline 930 \end{array}$$

930 minutes

3) convert into seconds

a) 6 minutes

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

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

$$\begin{array}{r} 60 \\ \times 6 \\ \hline 360 \end{array}$$

360 seconds

b) 2 minutes 4 seconds

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

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

$$\begin{array}{r} 60 \\ \times 2 \\ \hline 120 \end{array} \quad \begin{array}{r} 120 \\ + 4 \\ \hline 124 \end{array}$$

124 ~~00~~ seconds

c) 40 minutes 30 seconds

1 minute = 60 seconds

40 minutes 30 seconds =  $40 \times 60 + 30$

$$\begin{array}{r} 60 \\ \times 40 \\ \hline 00 \\ + 2400 \\ \hline 2400 \\ + 30 \\ \hline 2430 \end{array}$$

$$\begin{array}{r} 3600 \\ + 30 \\ \hline 3630 \end{array}$$

$$\begin{array}{r} 2400 \\ + 30 \\ \hline 2430 \end{array}$$

2400

~~3630~~

2430 seconds

d) 1 hours 2 minutes 30 seconds

1 hour = 60 minutes

60 minutes = ~~60~~ 3600 seconds

$60 \times 60$

$$\begin{array}{r} 60 \\ \times 60 \\ \hline 00 \\ + 3600 \\ \hline 3600 \end{array}$$

3600 seconds

2 minutes =  $2 \times 60 = 120$

seconds

$$\begin{array}{r} 3600 \\ + 120 \\ \hline 30 \\ \hline 3750 \end{array}$$

3750 Seconds

4) convert into minutes and seconds

a) 450 seconds

$$\begin{array}{r} 7 \\ \hline 60 \overline{) 450} \\ \underline{420} \\ 030 \end{array}$$

7 minutes 30 seconds

b) 540 seconds

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

9 minutes 0 seconds



c) 900 seconds

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

15 minutes 0 seconds

d) 1006 ~~seconds~~

$$\begin{array}{r} 16 \\ 60 \overline{) 1006} \\ \underline{60} \\ 406 \\ \underline{360} \\ 46 \\ \underline{46} \\ 0 \end{array}$$

16 minutes 46 seconds