

Exercise 15 (C)

1. Convert into hours.

a. 8 days - 1 day = 24 hours

$$8 \text{ days} - 24 \times 8 = 192 \text{ hours}$$

b. 5 days 10 hours = 1 day = 24 hours

$$5 \text{ days } 10 \text{ hours} = \cancel{40} \times 24 + 5 \times 24 =$$

$$120 + 10 = 130 \text{ hours}$$

c. 10 days 20 hours = 1 day = 24 hours

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

$$240 + 20 = 260 \text{ hours}$$

d. 6 days 2 hours = 1 day = 24 hours

$$6 \text{ days } 2 \text{ hours} = 6 \times 24 + 2 = 144 + 2 =$$

$$146 \text{ hours}$$

2. Convert into minutes.

a. 3 hours - ~~1 day~~ ~~24 hours~~ = 1 day ^{A 60 seconds = 1 minute}

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

b. 2 hours 6 minutes - 24 hours = 1 day

$$2 \text{ hours } 6 \text{ minutes} = 2 \times 60 + 6 = 120 +$$

$$6 = 126 \text{ minutes}$$

c. 8 hours 40 minutes ^{60 seconds} = 24 hours = 1 day

= 1 minute

1 day = 8 hours 40 minutes

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

d. 15 hours 30 minutes - 60 seconds

= 1 minute = 15 hours 30 minutes

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

3. Convert into seconds.

a. 6 minutes - 1 minute = 60 seconds

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

b. ~~2 minutes 4 seconds = 1 minute~~

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

$$+ 4 = 120 + 4 = 124$$

b. 2 minutes 4 seconds = 1 minute

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

$$60 + 4 = 124 \text{ seconds}$$

c. 40 minutes 30 seconds = 1 minute

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

$$40 \times 60 + 30 = 2400 + 30 = 2430$$

seconds

d. 1 hour 2 minutes 30 seconds

1 ^{minute} hour = 60 seconds

$$1 \text{ hour} = 60 \times 60 = 3600 \text{ sec}$$

$$2 \text{ minutes} = 2 \times 60 = 120$$

$$30 \text{ ~~minutes~~ seconds} = 3600 + 120 + 30 =$$

~~3750~~ 3750 seconds

4. Convert into minutes and seconds.

$$a. 450 \text{ seconds} - 60 \text{ seconds} = 1 \text{ minute}$$

$$450 \text{ seconds} - 450 \div 60 = 7 \text{ minutes}$$

" 30 seconds

$$\begin{array}{r} 450 \\ - 420 \\ \hline 30 \end{array}$$

b. 540 seconds - 60 seconds = 7 minutes

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

Ans 9 minutes

c. 900 seconds - 60 seconds = 7 minutes

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

Ans 15

d. 7006 seconds - 60 seconds = 7 minutes

$$7006 \text{ seconds} = 7006 \div 60 = 116 \text{ minutes } 46 \text{ seconds}$$

$$\begin{array}{r} 60 \overline{) 7006} \\ \underline{660} \\ 406 \\ \underline{360} \\ 46 \end{array}$$

Ans 16 minutes 46 seconds