

## ASSIGNMENT – 11

STD IV

MATHEMATICS

CHAPTER 12

TIME

*Do the following assignment in your Maths copy.*

1. Convert the following into seconds:

Eg. 9 minutes 5 seconds

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

$$\begin{aligned} 9 \text{ minutes } 5 \text{ seconds} &= (9 \times 60 + 5) \text{ seconds} \\ &= (540 + 5) \text{ seconds} \\ &= 545 \text{ seconds} \end{aligned}$$

a) 12 minutes

b) 3 minutes 5 seconds

2. Convert the following into minutes:

Eg. 30 hours 12 minutes

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

$$\begin{aligned} 30 \text{ hours } 12 \text{ minutes} &= (30 \times 60 + 12) \text{ minutes} \\ &= (1800 + 12) \text{ minutes} \\ &= 1812 \text{ minutes} \end{aligned}$$

a) 8 hours

b) 12 hours 30 minutes

3. Convert the following into hours:

Eg. 3 days 15 hours

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

$$\begin{aligned} 3 \text{ days } 15 \text{ hours} &= (3 \times 24 + 15) \text{ hours} \\ &= (72 + 15) \text{ hours} = 87 \text{ hours} \end{aligned}$$

a) 14 days 15 hours

b) 23 days 10 hours

4. Convert the following into minutes and seconds:

Eg. 1640 seconds

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

$$1640 \text{ seconds} = (1640 \div 60)$$

$$= 27 \text{ minutes } 20 \text{ seconds}$$

$$\begin{array}{r} 27 \\ 60 \overline{) 1640} \\ \underline{120} \\ 0440 \\ \underline{420} \\ 020 \end{array}$$

a) 750 seconds

b) 3000 seconds

5. Converts the following into hours and minutes:

Eg. 2000 minutes

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

$$2000 \text{ minutes} = (2000 \div 60)$$

$$= 33 \text{ hours } 20 \text{ minutes}$$

$$\begin{array}{r} 33 \\ 60 \overline{) 2000} \\ \underline{180} \\ 0200 \\ \underline{180} \\ 020 \end{array}$$

a) 1522 minutes

b) 650 minutes

6. Convert the following into days and hours:

Eg. 1080 hours

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

$$1080 \text{ hours} = (1080 \div 24) \\ = 45 \text{ days}$$

$$\begin{array}{r} 45 \\ 24 \overline{) 1080} \\ \underline{96} \\ 0120 \\ \underline{120} \\ 000 \end{array}$$

a) 910 hours

b) 1150 hours

7. Convert the following into years and months:

Eg. 950 months (Hint: 12 months = 1 year)

$$950 \text{ months} = (950 \div 12) \\ = 79 \text{ years } 2 \text{ months}$$

$$\begin{array}{r} 79 \\ 12 \overline{) 950} \\ \underline{84} \\ 110 \\ \underline{108} \\ 002 \end{array}$$

a) 402 months

b) 540 months

8. Convert the following into days:

Eg. 10 months 12 days

1 month = 30 days

10 months 12 days =  $(10 \times 30 + 12)$  days

=  $(300 + 12)$  days

= 312 days

a) 6 months 4 days

b) 4 months 2 weeks

9. Check whether the following years are leap year or not:

Eg. 2000

$$\begin{array}{r} 400 \\ 4 \overline{) 2000} \\ \underline{20} \\ 0000 \end{array}$$

As 2000 is divisible by 4.

∴ 2000 is a leap year.

a) 1996

b) 2021

10. An aeroplane took off at 12:40 hours. It travelled 2 hours 20 minutes. When did it land?