

Chapter- 15

Time and calendar

1. 2 days = 48 hours.
2. 3 hours = 180 minutes.
3. 2 minutes = 120 seconds.
4. There are 29 days in a leap year.
5. The month February has 29 days in a leap year.

6. Will 2038 be a leap year?

$$\begin{array}{r} 59 \\ 4 \overline{) 2038} \\ \underline{- 20} \\ 038 \\ \underline{- 36} \\ 2 \end{array}$$

2 'So, 2038 is not a leap year.'

7. How many days are there from 6th April to 30th May?

6th April to
6th May

6th May to
30th May

is 1 month = 30 days. is 24 days.

30 + 24 = 54 days are there from 6th April to 30th May

8. Add

7 hours 40 minutes 30 seconds + 6 hours 45 minutes 55 seconds

$$\begin{array}{r}
 \text{H} \quad \text{M} \quad \text{S} \\
 7 \quad 40 \quad 30 \\
 + 6 \quad 45 \quad 55 \\
 \hline
 13 \quad 25 \quad 85
 \end{array}$$

9. Subtract

14 hours 57 minutes 40 seconds - 7 hours 34 minutes 20 seconds

$$\begin{array}{r}
 \text{H} \quad \text{M} \quad \text{S} \\
 14 \quad 57 \quad 40 \\
 - 7 \quad 34 \quad 20 \\
 \hline
 7 \quad 23 \quad 20
 \end{array}$$

10. Convert 12 days 15 hours into hours.

$$\begin{array}{l}
 1 \text{ days} = 24 \text{ hours} \\
 12 \text{ days} = 288 \text{ hours} \\
 + 15 \text{ hours} \\
 \hline
 303 \text{ hours}
 \end{array}$$

11. Convert 750 seconds into minutes and seconds.

$$\begin{array}{l}
 1 \text{ minutes} = 60 \text{ seconds} \\
 750 \text{ seconds} = 750 \div 60 = 12 \text{ minutes and } 30 \text{ seconds}
 \end{array}$$

12. Convert 9 hours 30 minutes into minutes.

$$\begin{array}{l}
 1 \text{ Hours} = 60 \text{ minutes} \\
 9 \text{ Hours} = 9 \times 60 = 540 \text{ minutes} \\
 30 \text{ minutes} = 540 + 30 = 570 \text{ minutes} \\
 \text{So, } 9 \text{ hours } 30 \text{ minutes is } 570 \text{ minutes.}
 \end{array}$$

13. How much is 4 hours 13 minutes more than 2 hours 35 minutes?

$$2:35 \text{ to } 3:35 = 1 \text{ hours}$$

$$3:35 \text{ to } 4:00 = 25 \text{ minutes}$$

$$4:00 \text{ to } 4:13 = 13 \text{ minutes}$$

So, 1 hours 38 minutes much is 4 hours 13 minutes more than 2:35

14. Rakesh goes to tuition at 8.10 a.m. and comes back home at 11 am. Find the time he spends in the tuition.

Ans- Rakesh goes to tuition at 8:10 am

He ~~comes~~ back home at 11 am.

$$8:10 \text{ am to } 9:10 \text{ am} = 1 \text{ hours}$$

$$9:10 \text{ am to } 10:10 \text{ am} = 1 \text{ hours}$$

$$10:10 \text{ am to } 11 \text{ am} = 50 \text{ minutes}$$

So, the time spends in tu_{tion} 2 hours 50 minutes

15. Laxmi came to my house on 15th January. She stayed with us for 30 days. On what date did she leave?

Ans- 15th January to 31th January is = 16 days

1st February to 14th February = 16 + 14 = 30 days

So, 15th January to 14th February is the 30 days
