

Chapter- 15

Time and calendar

WORKSHEET

A. FILL IN THE BLANKS.

- 2 days = 48 hours.
- 3 hours = 180 minutes.
- 2 minutes = 120 seconds.
- There are 366 days in a leap year.
- The month February has 29 days in a leap year.

B. DO AS DIRECTED.

6. Will 2038 be a leap year?

Let us divide 2038 by 4.

$$\begin{array}{r} 509 \\ 4 \overline{)2038} \\ \underline{-20} \\ 0038 \\ \underline{-36} \\ 02 \end{array}$$

Since, 2038 is not completely divisible by 4, it is not a leap year.

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

No. of days in April = 30

No. of days from 6th April to 30th April = $30 - 6 = 24$ days

Now, no. of days from 6th April to 30th May = $24 + 30 = 54$ days

8. Add

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

Hrs	Min	Sec
1	1	30
7	40	55
+ 6	45	55
14	26	25

$$\begin{array}{r} \text{hrs} \\ 7^1 \\ + 6 \\ \hline 14 \end{array}$$

$$\begin{array}{r} \text{sec} \\ 30 \\ + 55 \\ \hline 85 \\ \text{min} \\ 40 \\ + 45 \\ \hline 86 \end{array}$$

85 sec = 85 - 60 = 1m 25sec
 86 min = 86 - 60 = 1h 26min

9. Subtract 14 hrs

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

Hrs	Min	Sec
14	57	40
- 7	34	20
7	23	20

10. Convert 12 days 15 hours into hours.

1 day = 24 hours
 12 days 15 hours = 12 x 24 + 15 = 288 + 15 = 303 hours

11. Convert 750 seconds into minutes and seconds.

60 seconds = 1 minute
 750 seconds = 750 ÷ 60 = Q=12 R=30
 Here, the quotient 12 denotes the minutes and remainder 30 represents the seconds.
 = 12 minutes 30 seconds.

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

12. Convert 9 hours 30 minutes into minutes.

1 hour = 60 minutes
 9 hours 30 minutes = 60 x 9 + 30 = 570 minutes

C. SOLVE THE FOLLOWING QUESTIONS.

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

Hrs	Min	
4	13	$(13 + 60 = 73)$
-	2	↑
1	38	73
		- 35
		38

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.

Rakesh goes to tuition from 8.10 am to 11 am.
 He spend total time in tuition = 8.10 am to 9.10 am = 1 hr
 9.10 am to 10.10 am = 1 hr
 10.10 am to 11 am = 50 min
 Total time he spend (1×2) hr and 50 min
 = 2 hrs 50 min

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

Laxmi leave on February ~~15~~ 13.
