

Chapter- 15

Time and calendar

WORKSHEET

A. FILL IN THE BLANKS.

1. 2 days = 48 hours.
2. 3 hours = 180 minutes.
3. 2 minutes = 120 seconds.
4. There are 366 days in a leap year.
5. The month February has 29 days in a leap year.

B. DO AS DIRECTED.

6. Will 2038 be a leap year?

ODM EDUCATIONAL GROUP
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$$\begin{array}{r}
 509 \\
 4 \overline{) 2038} \\
 \underline{-20} \\
 038 \\
 \underline{-36} \\
 2
 \end{array}$$

So, 2038 is not a leap year.

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

Number of days in April = 30
 Number of days from 6th April to 30th April = 30 - 6 = 24
 Now, number 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

Hour	Minute	Second
7	40	30
+ 6	45	55
14 hr	26 min	25 sec

9. Subtract

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

Hour	Minute	Second
14	57	40
- 7	34	20
7 hr	23 min	20 sec

10. Convert 12 days 15 hours into hours.

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

$$12 \text{ days } 15 \text{ hour} = 12 \times 24 + 15$$

$$= 288 + 15 \text{ hour}$$

$$= 303 \text{ hour}$$

11. Convert 750 seconds into minutes and seconds.

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

$$750 \text{ seconds} = 750 \div 60 = 12 \text{ min } 30 \text{ sec}$$

60		12
750		
- 60		
150		
- 120		
30		

12. Convert 9 hours 30 minutes into minutes.

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

$$9 \text{ hour } 30 \text{ minute} = 9 \times 60 + 30$$

$$= 540 + 30 \text{ min}$$

$$= 570 \text{ minutes}$$

C. SOLVE THE FOLLOWING QUESTIONS.

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

The difference between 4 hour 13 minutes and 2 hours 35 minutes = 4 hr 13 min - 2 hr 35 min =

Hour	Minutes
4 ³	13
- 2	35
1 hr	38 min

Thus, 4 hr 13 min is more than 2 hr 35 min by 1 hr 38 min.

... goes to tuition at 8:10 a.m. and comes back home at 11 a.m. Find the time he

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

Ans - Rakesh goes to tuition = 8.10 am to 11 am
He spent total time in tuition =

8.10 am to 9 am = 50 min

9 am to 10 am = 1 hour

10 am to 11 am = 1 hour

Total time she spent = (1×2) hour and 50 min = 2 hour 50 min

So, total time spent by Anju in tuition is 2 hour 50 min

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

Ans - Laxmi came to house on = 15th January

she total days stayed = 30 days

Total days in January = 31 days

15th January to 31 January = $31 - 15 = 16$

Total days left from 30 days = $30 - 16$

= 14 days

Next month's 14 days which = 14th February