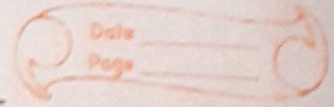


Time and calendar

Q 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.

⑥ Do as directed.

⑦ Will 2038 be a leap year?

Ans A year which is exactly divisible by 4 is known as a leap year.

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

$$\begin{array}{r} 4 \overline{) 2038} \text{ (509)} \\ \underline{- 20} \phantom{0} \\ 03 \phantom{0} \\ \underline{- 0} \phantom{0} \\ 38 \\ \underline{- 36} \\ 02 \end{array}$$

Date \_\_\_\_\_  
Page \_\_\_\_\_

① How many days are there from 6<sup>th</sup> April to 30<sup>th</sup> May?

Ans. April month = 30 days  
6<sup>th</sup> April to 30<sup>th</sup> April =  $30 - 6 + 1 = 25$  days

May month = 31 days  
1<sup>st</sup> May to 30<sup>th</sup> May = 30 days  
From 6<sup>th</sup> April to 30<sup>th</sup> May =  
25 days + 30 days = 55 days.

② Add

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

<u>Ans</u>	h	M	S	Sec
	7	40	30	30
	+ 6	45	55	+ 55
	14	26	25	85
				min
				1
				40
				+ 45
				86

Ans - 14 h 26 M 25 S

⑨ Subtract

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

	H	M	S
	14	57	40
-	7	34	20
	7	23	20

Ans - 7h 23M 20s

⑩ Convert 12 day 15 hours into hours

12 d 15 h

1 day = 24 hours

12 days =  $12 \times 24 = 288$  hours

12 days 15 hours =  $288 + 15 = 303$  hours

Ans 303 minutes

⑪ Convert

750 seconds into minutes and seconds

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

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

$$\begin{array}{r} 12 \\ 60 \overline{) 750} \\ \underline{- 60} \phantom{0} \\ 150 \\ \underline{- 120} \\ 030 \end{array}$$

Ans 12 minutes 30 seconds.

⑫ Convert 9 hours 30 minutes into minutes

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

$$9 \text{ hours} = 60 \times 9 = 540 \text{ minutes}$$

$$9 \text{ hours } 30 \text{ minutes} = 540 + 30 = 570 \text{ minutes}$$

Ans 540 minutes

⑩ Solve the following questions.

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

Ans 4 hours 13 minutes more than 2 hours 35 minutes = 4 hours 13 minutes -  
2 hours 35 minutes =  
1 hour 38 minutes

$$\begin{array}{r} H \qquad M \\ 4 \qquad 13 \\ - 2 \qquad 35 \\ \hline 1 \qquad 38 \end{array}$$

So, 1 hour 38 minutes is 4 hours 13 minutes more than 2 hours 35 minutes.

⑭ Rakesh goes to tuition at 8:10 a.m and comes back home at 11 a.m. Find the time he spends in the tuition.

Ans Rakesh goes to tuition = 8:10 a.m

He came back home = 11 a.m

The time he spends in the tuition =

$$11 \text{ a.m} - 8:10 \text{ a.m} = 2 \text{ hours } 50 \text{ minutes}$$

H	M
10	60
<del>11</del>	<del>00</del>
-	8
8	10
2	50

∴, He spends 2 hours 50 minutes in the tuition.

Date \_\_\_\_\_  
Page \_\_\_\_\_

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

Ans Laxmi came to my house = 15<sup>th</sup> January  
She stayed with us = 30 days  
January = 31 days

She stayed in January = 15<sup>th</sup> January  
to 31<sup>st</sup> January =  
 $31 - 15 + 1 = 17$  days

Remaining days she stayed in February =  $30 - 17 = 13$  days

13 days in February = 13<sup>th</sup> February

Laxmi stayed 30 days means -  
15<sup>th</sup> January to 13<sup>th</sup> February

So, she leaved from my house in 14<sup>th</sup> February.