



**Class-5**

**Subject-Mathematics**

**Chapter-12 (Time)**

**Lecture- 03 (Solution)**

1. The year 2016 was a leap year, and January 1 of the year 2016 was Friday. What day of week was December 31 of the year 2016?

**Solution:**

According to the question, 2016 was a leap year, so February 2016 was of 29 days. So, there were 366 days in the year 2016.

After January 1, the remaining days of the year 2016 =  $366 - 1 = 365$  days

We know, 1 week = 7 days

$$\begin{array}{r} 52 \\ \hline 7) 365 \\ 35 \\ \hline 15 \\ 14 \\ \hline 1 \end{array}$$

Here, remainder is 1, so December 31 of the year 2016 was Saturday.

Ans: Saturday.

2. What number century were the years 1649 and 2009?

Solution:

The 17<sup>th</sup> century started in the year 1601, so the year 1649 is in 17<sup>th</sup> century.

The 21<sup>st</sup> century started in the year 2001, so the year 2009 is in 21<sup>st</sup> century.

3. A train left one city at 11:50 and arrived at the destination at 15:25. How many hours and minutes did it take?

Solution:

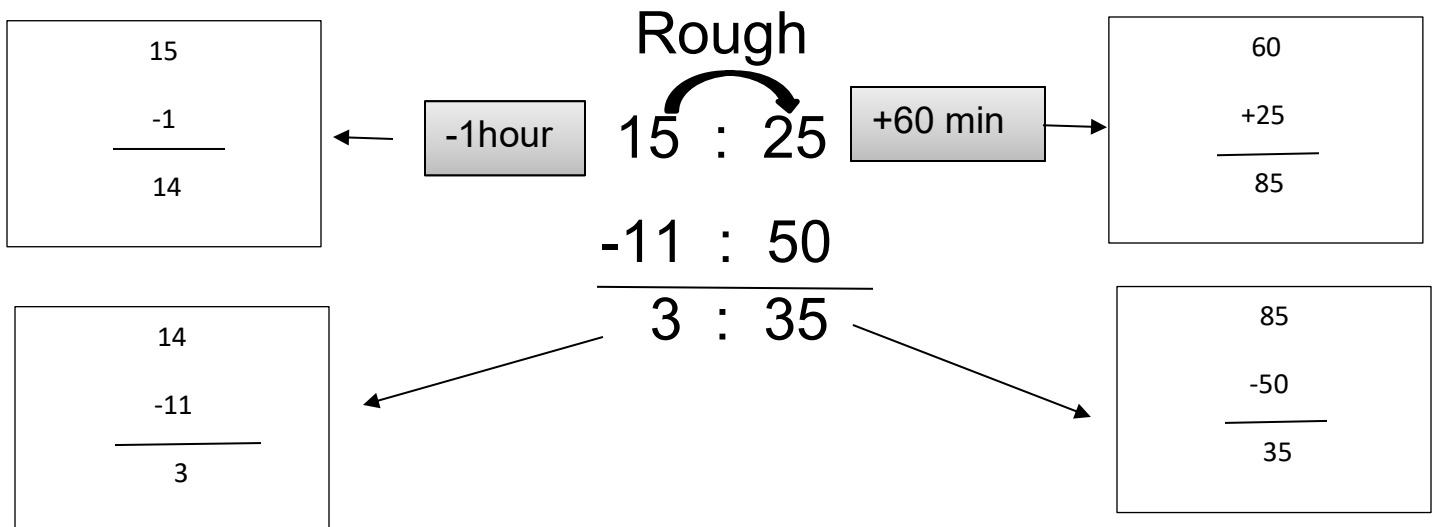
The train reached at the destination at = 15:25 hour

The train left from the city at = 11:50 hour

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∴ The train travelled for = 3:35 hour

Ans: 3:35 hours.



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