Class-5

Subject-Mathematics

Chapter-12 (Time)

Lecture- 03

Word Problem:

Example 1: Tamim's birthday is 28th May. Taslima's birthday is 8 days after Tamim's birthday, when is her birthday?

Solution:

We know, May has 31 days

∴ Remaining day of May = 31 – 28 = 3 days

May will end 3 days after tamim's birthday, and then June will start.

∴ Taslima's birthday will be = 8 – 3 = 5 June.

　Ans: 5 June.

Example 2: How many days are there in February 2016?

Solution:

$$
\begin{array}{r}
504 \\
4\overline{)2016} \\
20 \\
\overline{16} \\
16 \\
\overline{0}
\end{array}
$$

Here, remainder is 0. So 2016 is a leap year.

∴ There are 29 days in February 2016.

   Ans: 29 days.

Example 3: January 1 of the year 2018 was Monday. What day of week was 40 days after January 1?

Solution:

We know, 1 week = 7 days

$$
\begin{array}{r}
5 \\
7\overline{)\,40} \\
35 \\
\hline
5
\end{array}
$$

Here, remainder is 5, so 40 days after January 1 was Saturday.

   Ans: Saturday.

Example 4: What number century were the years 1600 and 1701?

Solution:

The 16th century started in the year 1501, so the year 1600 is in 16th century.

The 18th century started in the year 1701, so the year 1701 is in 18th century.

Exercise

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?

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

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?

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