



Class-5

Subject-Mathematics

Chapter-12 (Time)

Lecture- 04

Creative Question

1. Rashed was born on 27 February, 2012. Rabeya was born 8 days later of his birth.

- a. What was Rabeya's date of birth?
- b. How many hours were in February, 2012?

Solution:

a)

$$\begin{array}{r} 503 \\ 4 \overline{) 2012} \\ \underline{20} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

Since there is no remainder, so 2012 is a leap year.
So February has 29 days.

\therefore Remaining day of February = $29 - 27 = 2$ days

February will end 2 days after Rashed's birthday, and then March will start.

\therefore Rabeya's birthday will be = $8 - 2 = 6$ March, 2012.

Ans: 6 March, 2012.

b) From 'a' we get, February, 2012 has 29 days.

Now,

29 days

= (29×24) hours [\because 1 day = 24 hours]

= 696 hours

Ans: 696 hours.

2. A train left one city at 11:50 and arrived at the destination at 15:25.

- a. In 12 hour clock when the train arrived at the destination?
- b. How many hours and minutes did the train take?

Solution:

a) The train arrived at the destination in 24 hour clock at 15:25

In 12 hour clock the train arrived at the destination at

$$= (15:25 - 12:00) \text{ p.m.}$$

$$= 3:25 \text{ p.m.}$$

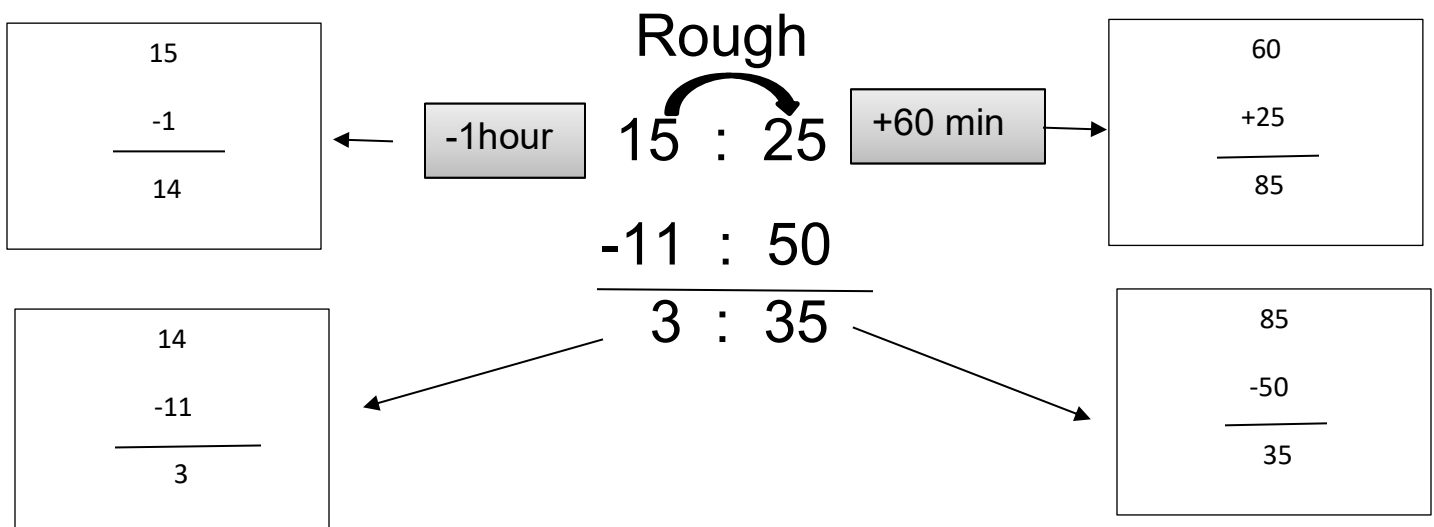
Ans: 3:25 p.m.

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

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

$$\therefore \text{The train travelled for} = 3:35 \text{ hour}$$

Ans: 3:35 hours.



3. A launch left Dhaka at 11.45 and reached at 15.20.
- Express the reaching time in 12 o clock.
 - How much the launch takes to reach destination?

Solution:

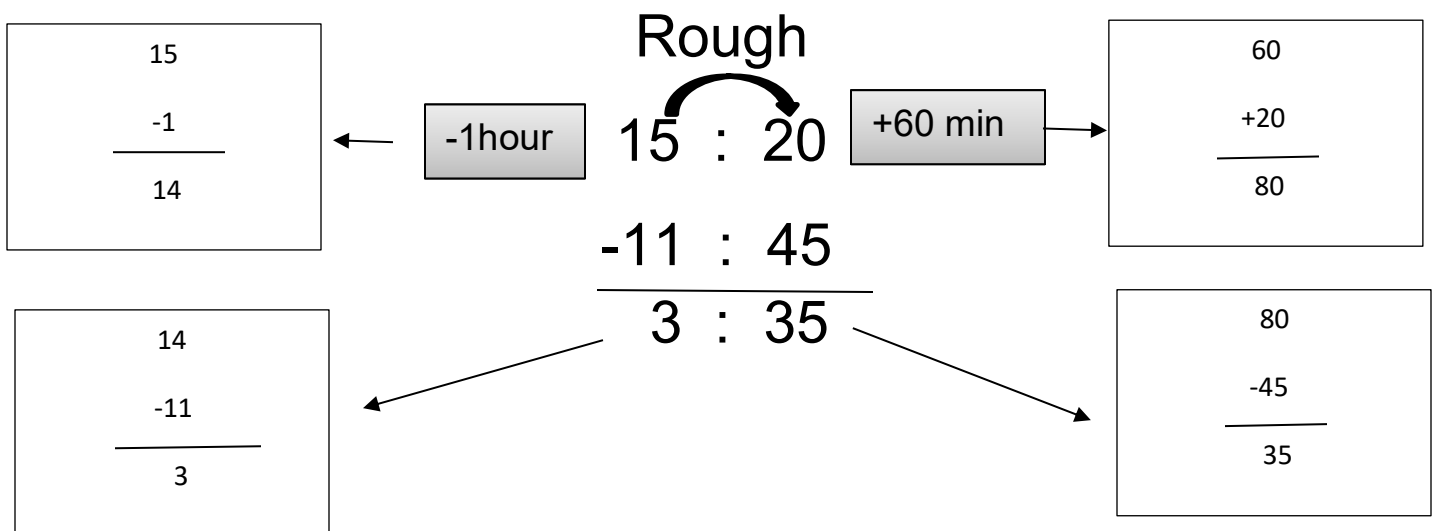
a) The launch reached at 15:20 in 24 hour clock.

In 12 hour clock the launch reached at = $(15:20 - 12:00)$ p.m.
= 3:20 p.m.

Ans: 3:20 p.m.

b) The launch travelled for = $(15:20 - 11:45)$ hours
= 3:35 hours

Ans: 3:35 hours.



4. Raiyan left home at 7:00 a.m. returned 4:00 p.m.
- Express his leaving time from home and return in 24 hour clock.
 - How many hours he was outside home?

Solution:

a) Raiyan left home at 7:00 a.m. in 12 hour clock.

∴ In 24 hour clock he left home at = 07:00

Again,

Raiyan returned at home at 4:00 p.m. in 12 hour clock.

∴ In 24 hour clock he returned home at = (12:00 + 4:00) = 16:00

Ans: 07:00 and 16:00.

b)

	Hour	Minute
	12	00
-	7	00
<hr/>		
	5	00

Now,

	Hour	Minute
	5	00
+	4	00
<hr/>		
	9	00

∴ Raiyan was outside home for 9 hours.

Ans: 9 hours.

Exercise

1. Rakib was born on 25th February, 2010. His cousin Tanha was born after 7 days.

- How many hours are there in February 2010?
- Write the birth date of Tanha.

2. Kamal spent February 2012 in Dhaka.

- How many hours did he spend in Dhaka?
- How many seconds did he spend in Dhaka?

3. Mita starts her study at 7:30 pm and goes to bed at 10:30 pm every day.

- When does Mita start her study and go to bed in the 24 hour clock?
- How many hours does she study?

4. Salam goes to bed at 10:30 p.m. and gets up at 6 a.m. in the morning.

- Express the time when Salma goes to bed in 24 hour clock.
- How long does she sleep?

Lecture sheet prepared by –

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