

SESSION : 7

CLASS : 3

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 10

CHAPTER NAME : TIME

SUBTOPIC : HOURS AND MINUTES

CHANGING YOUR TOMORROW

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Quickly let us match the following days and hours:

a) 2 days

b) 7 days

c) 5 days

d) 14 days

e) 20 days

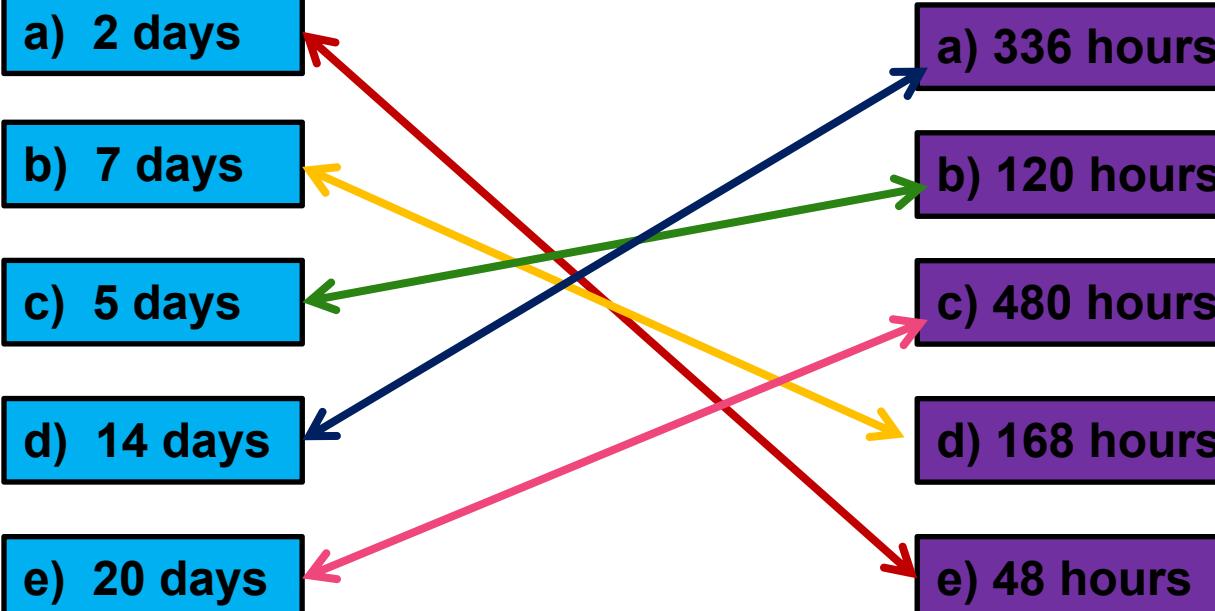
a) 336 hours

b) 120 hours

c) 480 hours

d) 168 hours

e) 48 hours





- The minute hand takes 60 minutes to complete one round on the clock. So, $1 \text{ hour} = 60 \text{ minutes}$.
- There are 60 seconds in one minute and 60 minutes in one hour.
- To convert from hours to minutes and minutes to seconds, you multiply by 60.

FORMULA TO REMEMBER

1 HOUR = 60 MINUTES

SOLVED EXAMPLE

Hours into minutes

7 hours

Since 1 hour = 60 minutes

so, 7 hours = 7×60 minutes

= 420 minutes

TIME

HOURS AND MINUTES

**Exercise-10 E Q. No A and B
book page - 130
in the notebook.**



A. Convert the given number of hours into minutes.

1. 4 hours

Since 1 hour = 60 minutes

$$\begin{aligned} \text{so, 4 hours} &= 4 \times 60 \text{ minutes} \\ &= 240 \text{ minutes} \end{aligned}$$

2. 10 hours

Since 1 hour = 60 minutes

$$\begin{aligned} \text{so, 10 hours} &= 10 \times 60 \text{ minutes} \\ &= 600 \text{ minutes} \end{aligned}$$

3. 6 hours

Since 1 hour = 60 minutes

$$\begin{aligned} \text{so, 6 hours} &= 6 \times 60 \text{ minutes} \\ &= 360 \text{ minutes} \end{aligned}$$

4.

12 hours

Since 1 hour = 60 minutes

$$\begin{aligned} \text{so, 12 hours} &= 12 \times 60 \text{ minutes} \\ &= 720 \text{ minutes} \end{aligned}$$

5. 9 hours

Since 1 hour = 60 minutes

$$\begin{aligned} \text{so, 9 hours} &= 9 \times 60 \text{ minutes} \\ &= 540 \text{ minutes} \end{aligned}$$

6.

15 hours

Since 1 hour = 60 minutes

$$\begin{aligned} \text{so, 15 hours} &= 15 \times 60 \text{ minutes} \\ &= 900 \text{ minutes} \end{aligned}$$

B. Convert the given number of hours and minutes into minutes .

1. 2 hours 20 minutes

Since 1 hour = 60 minutes

so, 2 hours = 2×60 minutes

= 120 minutes

Thus, 2 hours and 20 minutes = 120 minutes + 20 minutes

= 140 minutes

2.**12 hours 8 minutes****Since 1 hour = 60 minutes****so, 12 hours = 12×60 minutes****= 720 minutes****Thus, 12 hours and 8 minutes = 720 minutes + 8 minutes****= 728 minutes**

3. 6 hours 40 minutes

Since 1 hour = 60 minutes

$$\begin{aligned}\text{so, 6 hours} &= 6 \times 60 \text{ minutes} \\ &= 360 \text{ minutes}\end{aligned}$$

$$\begin{aligned}\text{Thus, 6 hours and 40 minutes} &= 360 \text{ minutes} + 40 \text{ minutes} \\ &= 400 \text{ minutes}\end{aligned}$$

4.**15 hours 10 minutes****Since 1 hour = 60 minutes****so, 15 hours = 15×60 minutes****= 900 minutes****Thus, 15 hours and 10 minutes = 900 minutes + 10 minutes****= 910 minutes**

5. 9 hours 30 minutes

Since 1 hour = 60 minutes

so, 9 hours = 9×60 minutes

= 540 minutes

Thus, 9 hours and 30 minutes = 540 minutes + 30 minutes

= 570 minutes

6. 20 hours 20 minutes

Since 1 hour = 60 minutes

so, 20 hours = 20×60 minutes

= 1200 minutes

Thus, 20 hours and 20 minutes = 1200 minutes + 20 minutes

= 1220 minutes

COMPETENCY BASED QUESTIONS (SAFAL)**EVALUATION****MATHS**

Choose the correct option:

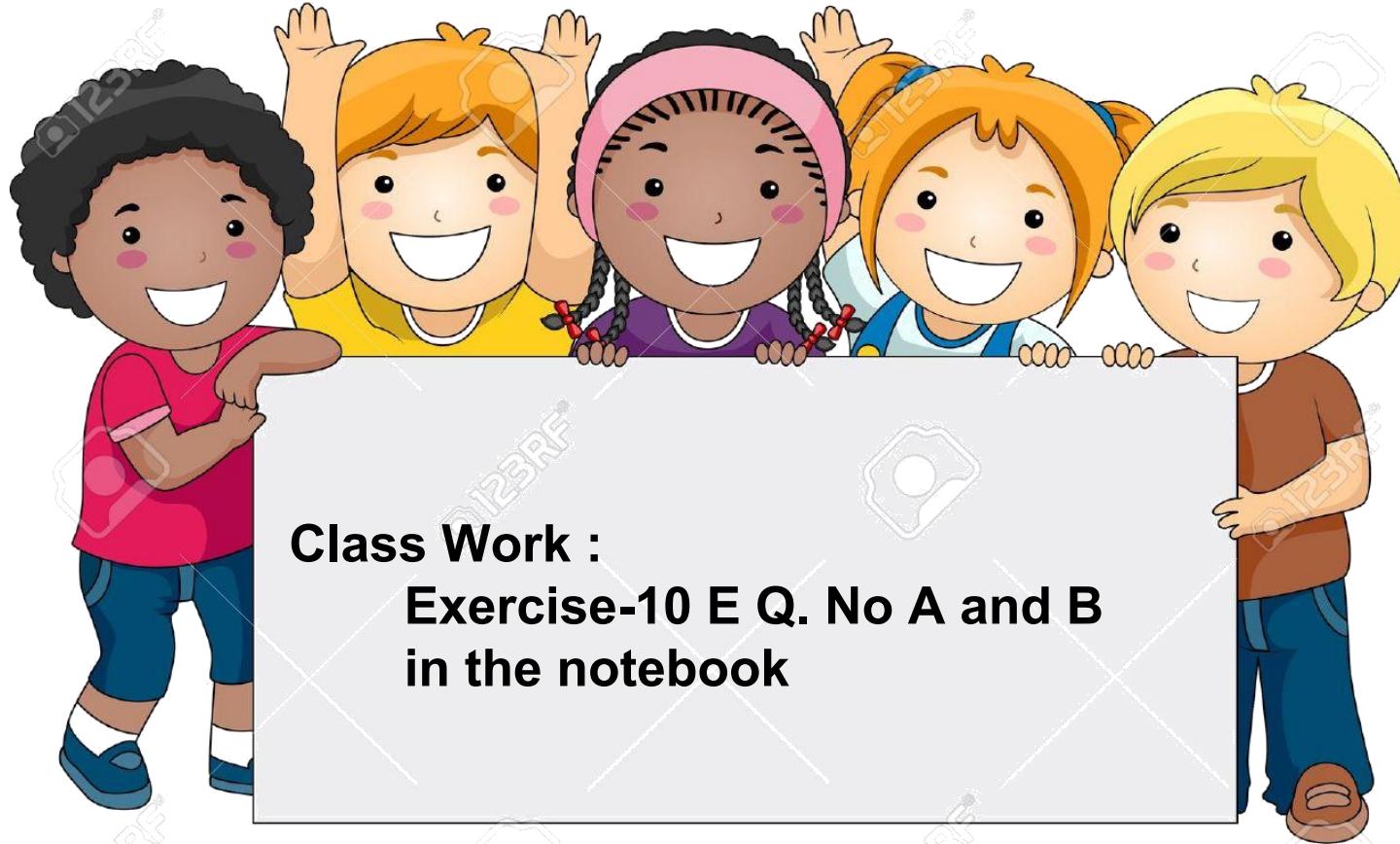
Assertion: There are 60 seconds in 1 minute and 60 minutes in an hour.

Reason: We get 3600 seconds in 24 hours when we multiply 60×60 .

- (a) Both, A and R, are true and R is the correct explanation of A.**
- (b) Both, A and R, are true but R is not the correct explanation of A.**
- (c) If A is true, R is false.**
- (d) If A is false, R is true.**

TIME

HOURS AND MINUTES



Class Work :
Exercise-10 E Q. No A and B
in the notebook

LEARNING OUTCOME:

Children will be able to
*** Convert hours into minutes.**

THANKING YOU
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