

SESSION : 26

CLASS : 3

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 10

CHAPTER NAME : TIME

SUBTOPIC : HOURS AND MINUTES

CHANGING YOUR TOMORROW

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LEARNING OBJECTIVE :

Children will

- * Learn to convert hours into minutes.



- 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.

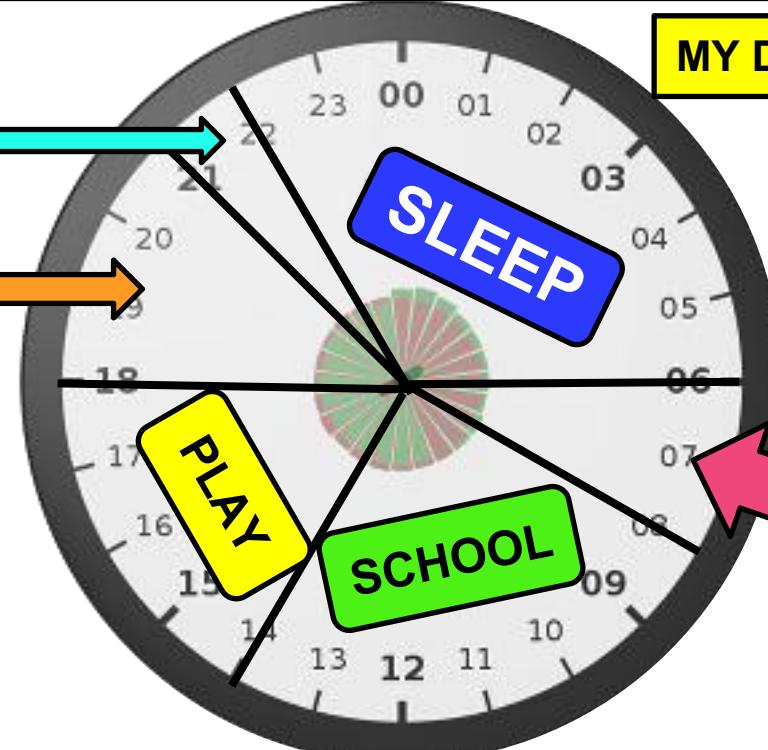
FORMULA TO REMEMBER

1 HOUR = 60 MINUTES

TIME

HOURS AND MINUTES

Lets recapitulate through an activity



MY DAILY TIME TABLE ACTIVITY

WATCH T.V

DO
HOMEWORK

PLAY

SCHOOL

GET
READY
FOR
SCHOOL

Now tell me in minutes how long do I take to do each activity.

SLEEP**10 P.M. to 6 A.M.****8 hours****Since 1 hour = 60 minutes****so, 8 hours = 8×60 minutes****= 480 minutes****GET READY FOR SCHOOL****6 A.M. to 8 A.M.****2 hours****Since 1 hour = 60 minutes****so, 2 hours = 2×60 minutes****= 120 minutes**

HOURS AND MINUTES

SCHOOL

8 A.M. to 2 P.M.

6 hours

Since 1 hour = 60 minutes

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

PLAY

2 P.M. to 6 P.M.

4 hours

Since 1 hour = 60 minutes

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

DO HOMEWORK**6 P.M. to 9 P.M.****3 hours****Since 1 hour = 60 minutes****so, 3 hours = 3×60 minutes****= 180 minutes****WATCH T.V****9 P.M. to 10 P.M.****1 hour****Since 1 hour = 60 minutes****so, 1 hour = 1×60 minutes****= 60 minutes**

SOLVED EXAMPLE

Hours, minutes into minutes

7 hours 20 minutes

Since 1 hour = 60 minutes

so, 7 hours = 7×60 minutes

= 420 minutes

Thus, 7 hours and 20 minutes = 420 minutes + 20 minutes

= 440 minutes

**Exercise-10 E Q. No C, D and E
book page - 130
in the notebook.**



C. A match lasts for 4 hours 30 minutes. What is the duration of the match in minutes?

ANS. The duration of the match is

= 4 hours 30 minutes

Since 1 hour = 60 minutes

so, 4 hours = 4×60 minutes = 240 minutes

Thus, 4 hours and 30 minutes = 240 minutes + 30 minutes

= 270 minutes

So, the duration of the match in minutes is 270 minutes.

D. After 6 days I will go to my uncle's house. How many hours I need to wait before?

**ANS. I need to wait to go to my uncle's house
= 6 days**

Since 1 day = 24 hours

so, 6 days = 6×24 hours

= 144 hours

Thus, I need to wait for 144 hours before I will go to my uncle's house.

**E. I study mathematics for 1 hour 30 minutes daily.
How many minutes do I study mathematics daily?**

ANS. The duration I study mathematics daily

= 1 hour 30 minutes

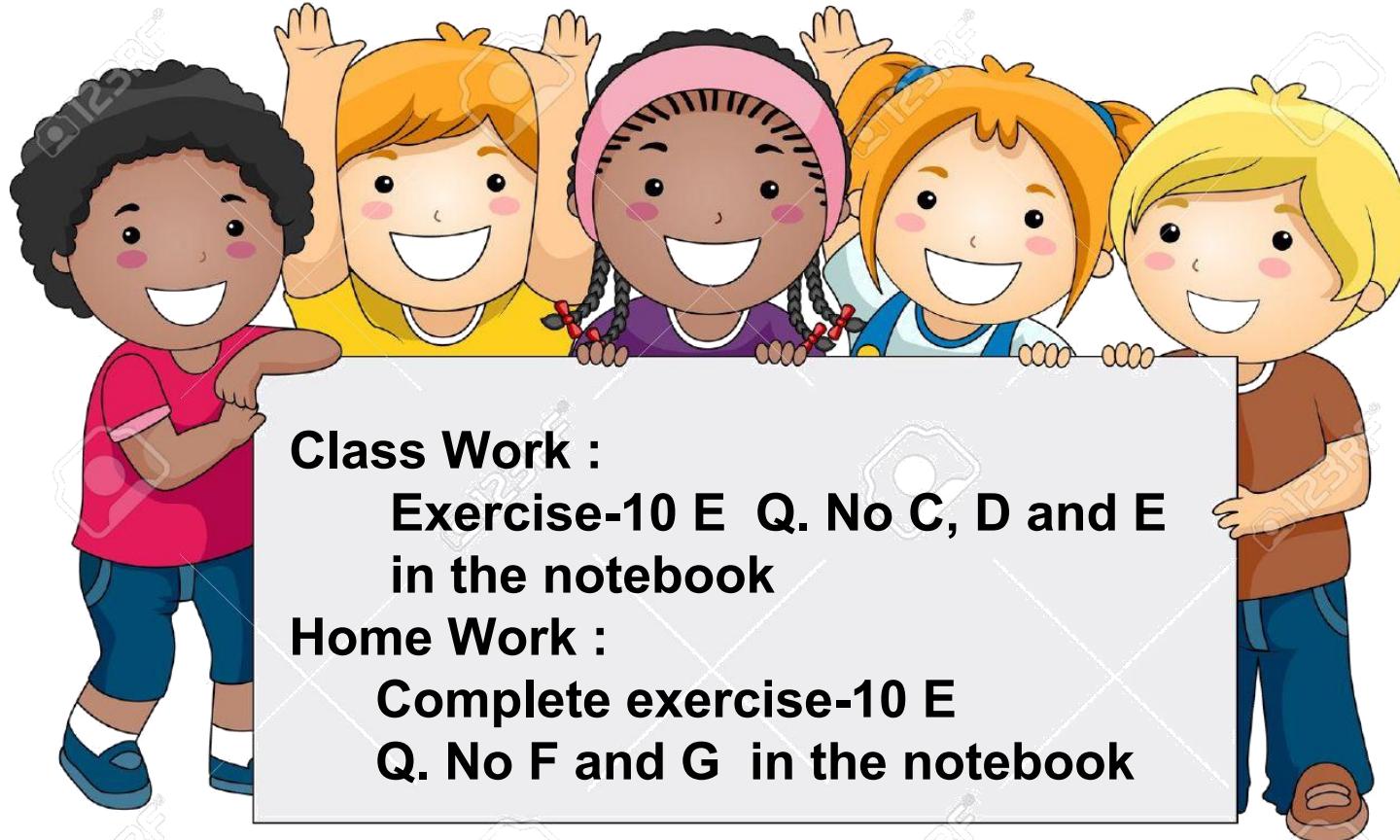
Since 1 hour = 60 minutes

Thus, 1 hour and 30 minutes = 60 minutes + 30 minutes
= 90 minutes

So, the duration I study mathematics daily is 90 minutes.

LEARNING OUTCOME:

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



THANKING YOU
ODM EDUCATIONAL GROUP