

SESSION : 25
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 15
CHAPTER NAME : TIME AND CALENDAR
**SUBTOPIC : OPERATIONS ON TIME MEASURES,
EX-15 D Q.NO. 7 TO 11**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- **Enable the students to understand how to do the word problems based on time.**

OPERATIONS ON TIME MEASURES

EXERCISE – 15(D)

7. How much is 3 hours 12 minutes more than 1 hour 40 minutes?

Solution : The difference between 3 hours 12 minutes and 1 hour 40 minutes =

3 hours 12 minutes – 1 hours 40 minutes = Hours minutes

$$\begin{array}{r} 2 \\ \cancel{3} \quad 12 \\ - 1 \quad 40 \\ \hline 1 \quad 32 \end{array}$$

min.

72

Since $12 < 40$, borrow 1 hour = 60 min + 12 min = 72 minutes.

- 40

32

Thus, 3 hours 12 minutes is more than **1 hour 32 minutes** from 1 hour 40 minutes.



OPERATIONS ON TIME MEASURES

EXERCISE – 15(D)

9. Anju goes to school at 7:10 am and comes back home at 2 pm. Find the time she spends in school.

Solution : Anju goes school form 7:10 am to 2 pm.

She spent total time in school = 7:10am to 8am = 50 min

8 am to 9 am = 1 hour

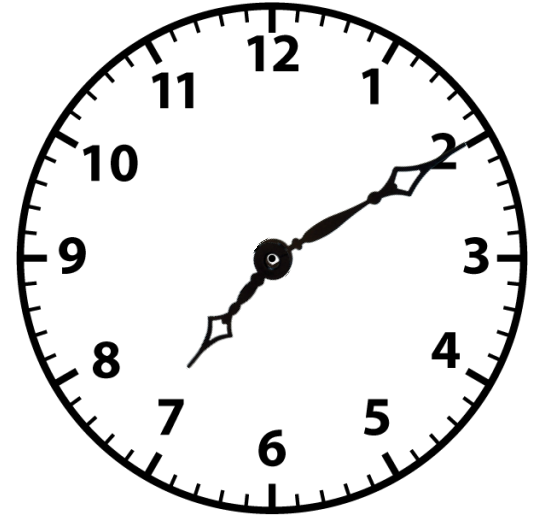
9 am to 10 am = 1 hour

10 am to 11 am = 1 hour

11 am to 12 pm = 1 hour

12 pm to 1 pm = 1 hour

1 pm to 2 pm = 1 hour



Total time she spent = (1×6) hour and 50 min = 6 hours 50 min

So, total time spent by Anju in school is **6 hours 50 minutes** .



OPERATIONS ON TIME MEASURES

EXERCISE – 15(D)

10. Rajesh studies from 6 am to 6:45 am and 7 pm to 8:45 pm daily. How many hours does he study everyday?

Solution : Rajesh studies from 6 am to 6:45 am = 45 minutes

And from 7 pm to 8:45 pm = 7pm to 8:45pm \cong 1 hour 45 minutes

Total time he studies = Hours minutes

					min.
		1			45
		0		45	
	+	1		45	
<hr/>					
		2		30	
<hr/>					
					90
<hr/>					

90 min = 60 min + 30 min = 1 hour 30 min.

So, he studies total **2 hours 30 minutes** everyday.



OPERATIONS ON TIME MEASURES

EXERCISE – 15(D)

11. Sudha told Shubha that she sees T.V. for 1 hour 30 minutes. Subha replied that she sees T.V. for 90 minutes. Who sees T.V. for more time?

Solution : Total time Sudha sees the T.V = 1 hour 30 minutes

= 60 minutes + 30 minutes (as 1 hour = 60 minutes)

= 90 minutes min.

60

+ 30

90

Shubha spent total time on T.V. = 90 minutes

The difference between 90 minutes and 90 minutes = 90 min – 90 min = 0 min.

So, Sudha and Shubha spent together exact same time on T.V.



HOME ASSIGNMENT:

- **Complete Exercise – 15 D Q.NO. 7 to 11 in your note book.**

LEARNING OUTCOME:

Students are able to understand how to do the word problems on time.

THANKING YOU
ODM EDUCATIONAL GROUP