



Note: The given content need not to be printed.

Chapter No. 12

Time

Revision

Objective:The students will be able to recapitulate the time interval ,the finishing time and time duration.

24- hour clock :- In our daily life, we use the 12-hour clock to tell the time. We add a.m. or p.m. after the time.

However, if someone forgets to add a.m. or p.m. it can result in confusion.

To avoid any confusion, flight times, railway times and shipping times use a different system. They use a 24-hour clock.

In the 24-hour clock system, time is written in 4 digits. The first two digits shows the hours. The next two digits shows the minutes.

The day starts at 12 midnight, written as 00:00 hours

The day ends just before 12 midnight ,the following day, written as 00:00 hours.

In this system,there is no need to write a.m. or p.m. after the time.

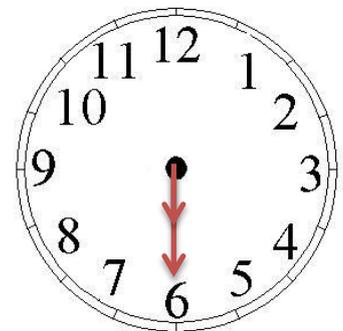
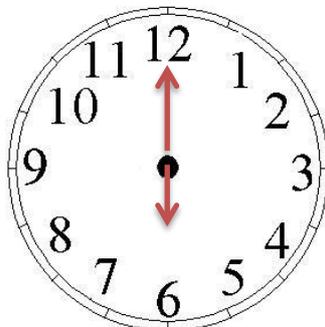
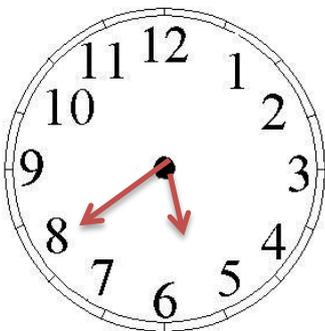
The table shows the time in the 12-hour and 24-hour clock systems.

12-hour clock	24-hour clock
12 midnight	00:00 hours
1:00 a.m.	01:00 hours
2:00 a.m.	02:00 hours
3:00 a.m.	03:00 hours
4:00 a.m.	04:00 hours
5:00 a.m.	05:00 hours
6:00 a.m.	06:00 hours
7:00 a.m.	07:00 hours
8:00 a.m.	08:00 hours
9:00 a.m.	09:00 hours
10:00 a.m.	10:00 hours
11:00 a.m.	11:00 hours
12:00 noon	12:00 hours
1:00 p.m.	13:00 hours
2:00 p.m.	14:00 hours
3:00 p.m.	15:00 hours
4:00 p.m.	16:00 hours
5:00 p.m.	17:00 hours
6:00 p.m.	18:00 hours
7:00 p.m.	19:00 hours
8:00 p.m.	20:00 hours
9:00 p.m.	21:00 hours
10:00 p.m.	22:00 hours
11:00 p.m.	23:00 hours
12:00 p.m.	00:00 hours



Time interval:- Time interval or time duration is the amount of time that has passed between the start and the end of an activity.

Example: Asha started doing her homework at 5:40 p.m. and completed it at 6 :30 p.m. How long did she take to complete her homework ?



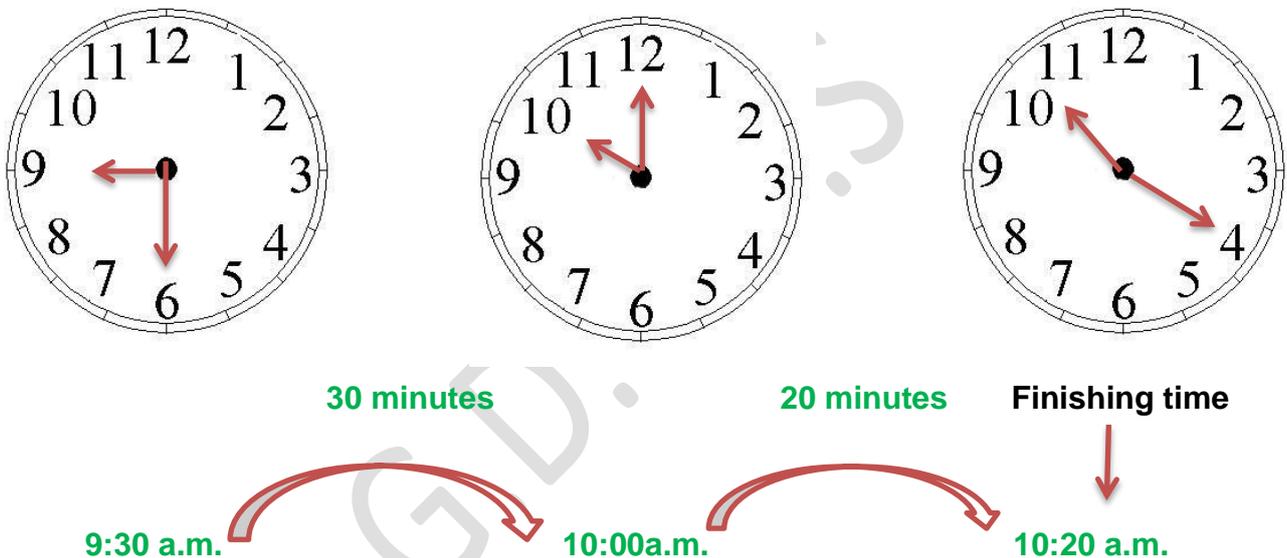


$20 \text{ minutes} + 30 \text{ minutes} = 50 \text{ minutes}$

Answer: Asha completed her homework in 50 minutes

Finishing time:- Given the start time and the duration of an activity, we can find the finishing time of an activity.

Example: A tailor started stitching a shirt at 9:30 a.m. He completed his work in 50 minutes. At what time did he complete his work?



$20 \text{ minutes} + 30 \text{ minutes} = 50 \text{ minutes}$

Answer: The tailor completed his work at 10:20 a.m.

Time period in days:-

Let us recap the facts about a calendar.

- There are **seven** days in a week.
- There are **twelve** months in a year.
- There are **28** or **29** days in the month of February.
- A month has **30** or **31** days

A **calendar** is a record of all the dates of a particular year. A calendar gives you the information of **days, weeks, months** and many a times, the **festivals of the year** as well.

The dates corresponding to **Sunday and special days** (for example, **January 26, August 15, October 2**) are marked in a different colour to indicate the holidays.

➤ Months of the year

- There are 12 months in a year.

January, February, March, April, May, June, July, August, September, October, November, December.

- There are 52 weeks in a year.
- There are 365 days in a common year and 366 days in a leap year.
- The month of February has 28 days in a common year and 29 days in a leap year.

Leap year

The month of February usually has 28 days in a common year but once in 4 years, February has 29 days. The year in which February has 29 days is called a **leap year**.

We know that

1 year = 365 days

1 leap year = 366 days

