

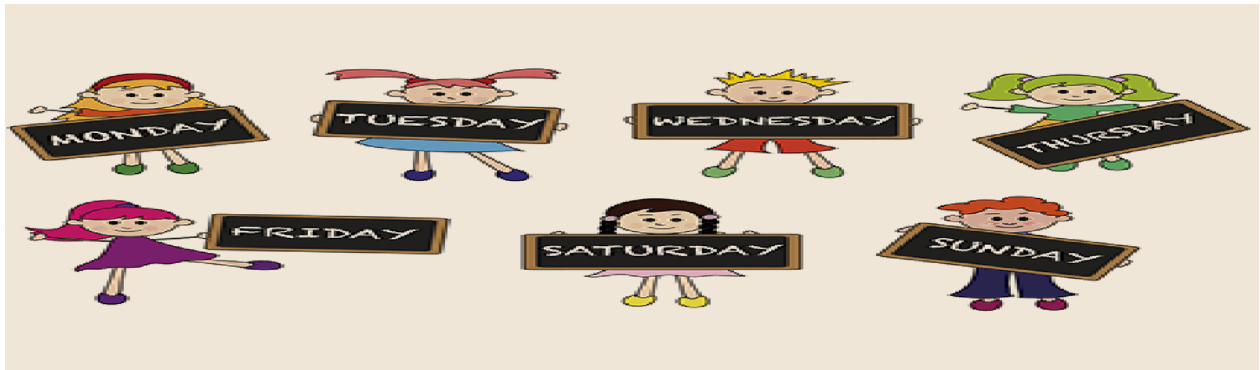
CHAPTER -13



TIME

STUDY NOTES**Learning Objectives:**

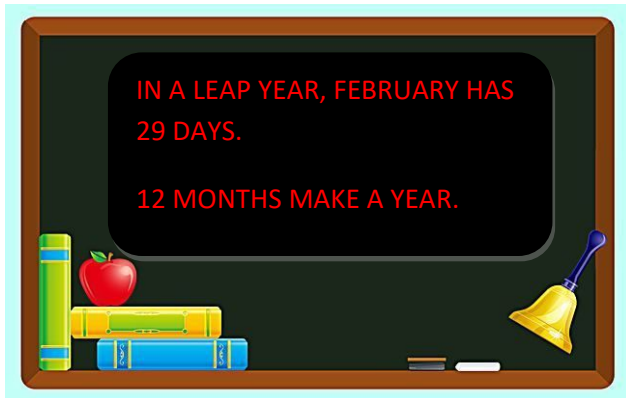
- REVISION
- TIME AND CLOCK
- SOME MORE CLOCK
- CALCULATING TIME

REVISION:**DAYS OF THE WEEK:**

Saturday and Sunday are known as the weekend. Monday, Tuesday, Wednesday, Thursday and Friday are known as the weekdays.



MONTHS OF THE YEAR:

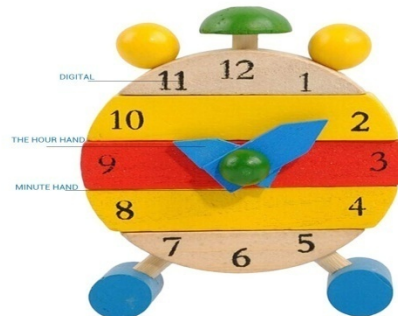


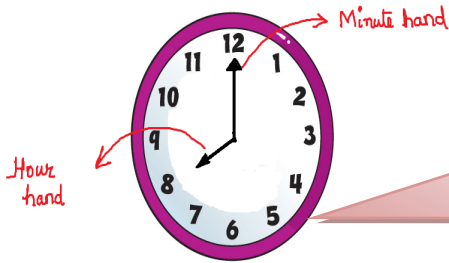
BEFORE ,BETWEEN AND AFTER:

- Tuesday comes **before** Wednesday.
- Tuesday comes **after** Monday.
- Tuesday comes **between** Monday and Wednesday.
- April comes **after** March.
- November comes **between** October and December.
- November comes **before**

• TIME AND CLOCK:

Which Hand is Which?

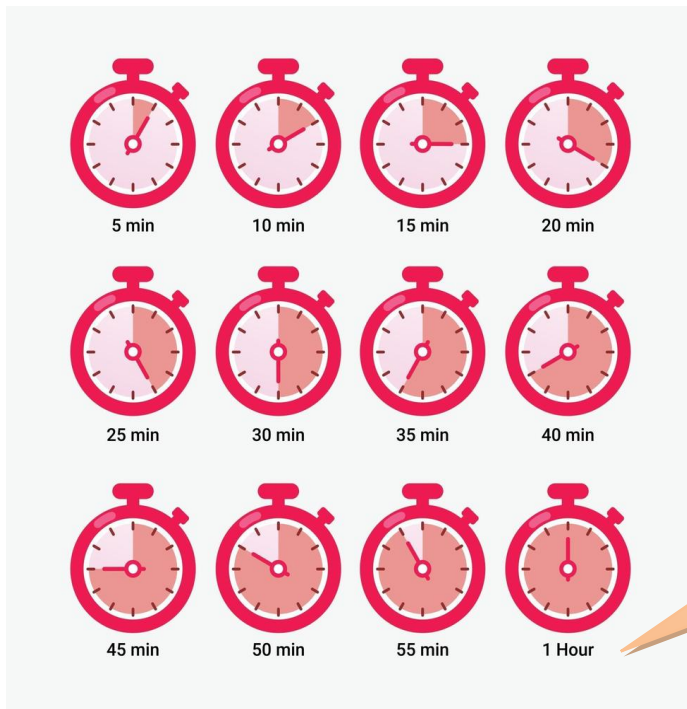




Look at the face of clock .It has numbers from 1 to 12 and two hands. The longer hand is the **minute** hand and the shorter hand is **hour** hand.

- 60 minutes make an hour. A day has 24 hours.
- The time from midnight till noon (i.e. before noon) is known as a.m.
- Example : We go to school at 7' o'clock in the morning. It is written as 7:00 a.m.
- The time from noon till midnight (i.e. afternoon) is known as p.m.
- Example: We eat our dinner at 8 o'clock in the evening. It is written as 8:00 p.m.

Time in 5 minutes intervals:



MINUTE HAND

- From 12 to 1, there are 5 minutes. Similarly, from 1 to 2, there are 5 minutes and so on until number 12.
- Thus, starting from 12 and coming back to 12, the minute hand in the clock moves 60 minutes. When the minute hand covers 60 minutes. It means that it has completed 1 hour.



When the minute hand is at 3, it means 15 minutes have passed since the hour shown by the hour hand.



When the minute hand is at 6, it means 30 minutes have passed since the hour shown by the hour hand.



When the minute hand is at 9, it means 45 minutes have passed since the hour shown by the hour hand.



The minute hand is at 6.

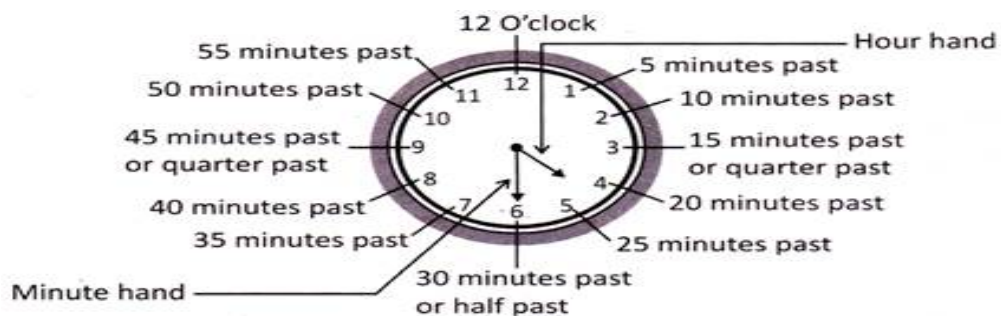
The hour hand is between 12 and 1.

The time is 12:30 or half past 2

The minute hand is at 9.

The hour hand is close to 5.

The time is 4:45 or quarter to 5.

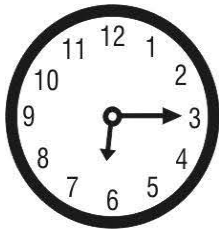




If you leave Earth at the age of 15 in a spaceship at the speed of light and spend 5 years in space, when you get back on Earth you will be 20 years old and all your friends who were 15 when you left will be 65 years old. This phenomenon is known as "time dilation" in physics.

AMAZING FACT:

Some more examples:



The short hand is near to 6 and the long hand is at 3.

The time is quarter past 6



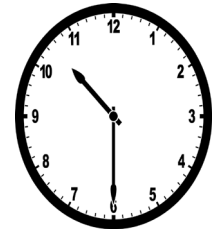
The short hand is at 11 and the long hand is at 12.

The time is 11 o'clock.



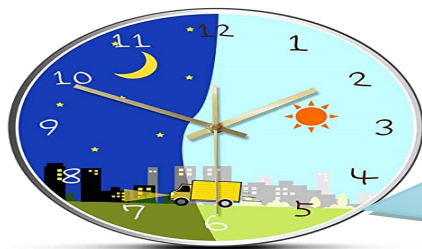
The short hand is near to 10 and the long hand is at 9.

The time is quarter to 10



The short hand is between 10 and 11 and the long hand is at 6.

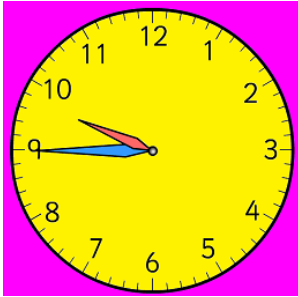
The time is half past 10.



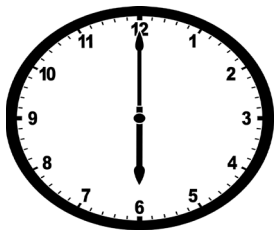
There are 24 hours in a day, which is divided into two parts .

Day and Night.

Day is divided into morning and afternoon.

***CALCULATING TIME :**

Example 1: Neha's favourite TV cartoon starts at 6 o'clock in the evening. If the cartoon lasts for 30 minutes, then at what time will it get over?

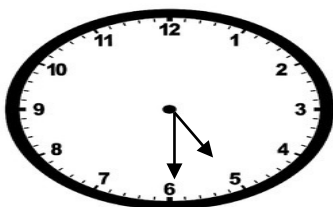
**6:00****6:30**

The cartoon will get over by **6:30**

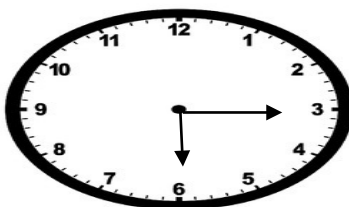
Example 2: Rohit starts doing his mathematics homework at 4:15 in the afternoon. He completes it in 15 minutes. What time is it when he finished his homework?

**4:15****4:30**

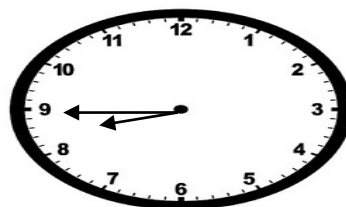
HOW MUCH TIME HAS PASSED:



5 : 30



6 : 15



8 : 45



REVISION

TIME AND
CLOCK



MIND MAP



SOME MORE
CLOCK

CALCULATING
TIME

