How to Read Clock, to Find the Time in Hour, Half Hour or Quarter Hour?

Introduction:

- A clock helps us find the time using hours and minutes.
- When reading an analog clock, we focus on:
 - $\circ\,$ Hour: The shorter hand points to the current hour.
 - Half Hour: When the minute hand points to 6 (halfway around the clock face).
 - Quarter Hour: When the minute hand points to 3 (a quarter past the hour) or 9 (a quarter to the next hour).
- Digital clocks show hours and minutes in numbers, making it simpler to identify full hours, half hours, and quarter hours.

How to Read an Analog Clock for Full, Half, and Quarter Hours:

- i. Reading Full Hours:
- When the minute hand is on 12, the time is exactly on the hour.
 Example: Hour hand on 4, minute hand on 12 = 4:00.

ii. Reading Half Hours:

• When the minute hand is on 6, the time is half past the hour.

Example: Hour hand halfway between 4 and 5, minute hand on 6 = 4:30.

iii. Reading Quarter Hours:

- A quarter past the hour (minute hand on 3):
 Example: Hour hand on 4, minute hand on 3 = 4:15.
- A quarter to the hour (minute hand on 9):
 Example: Hour hand just before 5, minute hand on 9 = 4:45.

Examples with Solutions:

Example:

Problem: The hour hand is on 7, and the minute hand is on 12.

Solution: The time is exactly 7:00 (full hour).

Example:

Problem: The hour hand is between 3 and 4, and the minute hand is on 6.

Solution: The time is 3:30 (half hour).

Example:

Problem: The hour hand is on 8, and the minute hand is on 3.

Solution: The time is 8:15 (quarter past the hour).

Example:

Problem: The hour hand is just before 10, and the minute hand is on 9.

Solution: The time is 9:45 (quarter to the hour).

Example:

Problem: The hour hand is on 6, and the minute hand is on 12.

Solution: The time is 6:00 (full hour).

Summary Points:

- Full Hour: Minute hand on 12.
- Half Hour: Minute hand on 6.
- Quarter Hour: Minute hand on 3 (quarter past) or 9 (quarter to).
- Practice reading these times on both analog and digital clocks.



