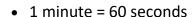
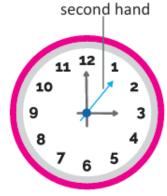
Time in Seconds

Introduction

 Time can be measured in hours, minutes, and seconds.



- 1 hour = 60 minutes = 60 × 60 = 3600 seconds.
- Seconds are used to measure very short time durations.
- A stopwatch is often used to measure time in seconds.



• Athletes, races, and cooking timers often use seconds to be more accurate.

Examples with Solutions

Example: How many seconds are there in 5 minutes?

√ 1 minute = 60 seconds

 \checkmark 5 × 60 = 300 seconds

Answer: 300 seconds

Example: Convert 3 hours into seconds

 \checkmark 1 hour = 3600 seconds

 \checkmark 3 × 3600 = 10800 seconds

Answer: 10800 seconds

Example: A boy took 2 minutes and 30 seconds to run a race. How many seconds is that in total?

 \checkmark 2 minutes = 2 × 60 = 120 seconds

 \checkmark 120 + 30 = 150 seconds

Answer: 150 seconds

Example: Convert $4\frac{1}{2}$ minutes to seconds

 \checkmark 4 minutes = 4 × 60 = 240 seconds

 $\checkmark \frac{1}{2}$ minute = $\frac{60}{2}$ = 30 seconds

Example: If
$$\frac{1}{4}$$
 minute passes, how many seconds have passed?

$$\sqrt{\frac{1}{4}}$$
 of 60 = $\frac{60}{4}$ = 15 seconds

Answer: 15 seconds

Summary Points

- 1 minute = 60 seconds
- 1 hour = 3600 seconds
- Use multiplication to convert minutes and hours to seconds.
- Time in seconds is useful for short durations.
- A stopwatch or timer helps measure time in seconds accurately.