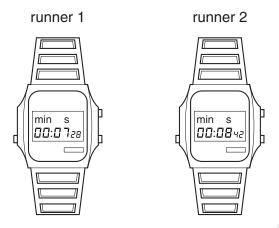
## **MEASURING TIME**

1 The digital stopwatches show the finishing times of two runners in a race.



What is the time difference between the two runners?

- V
- 1.14s
- **B** 7.28 s
- **C** 8.42 s
- **D** 15.70s

2 A stopwatch is used to time a student running a 1500/m race.



What is the reading on the stopwatch?

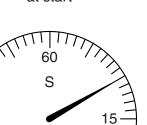
- **A** 658.31 seconds
- V

6 minutes 58.31 seconds

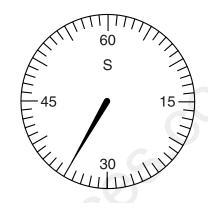
- C 6.58 minutes 31 seconds
- D 6 hours 58 minutes 31 seconds

3 The diagrams show the times on a stopclock at the start and at the finish of an experiment.

> stopclock at start



stopclock at finish

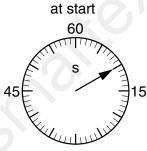


How long did the experiment take?

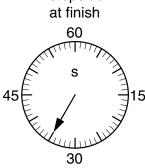
- 10 s
- 25 s
- C 35 s
- D 45 s

The diagrams show the times on a stopclock at the start and finish of an experiment. 4





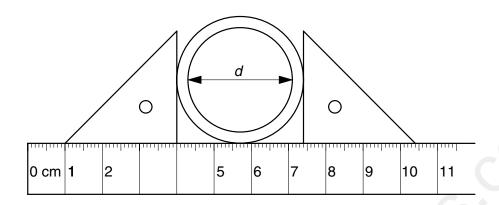
stopclock



How long did the experiment take?

- **A** 10s
- 25 s
- C 35 s
- 45 s D

5 The diagram shows a thick-walled tube. The thickness of the wall is 3 mm.



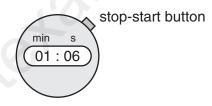
What is the internal diameter *d* of the tube?

- VA
- 2.8 cm
- **B** 3.1 cm
- C 3.4 cm
- **D** 7.4 cm

2

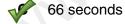
6 The diagram shows a stopwatch, originally set at 00:00.

When a car was first seen, the stop-start button was pressed. When the car passed the observer, the stopwatch showed 01:06.



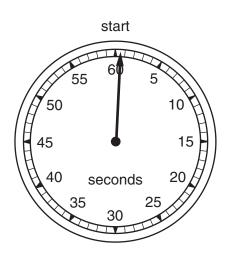
How long did the car take to reach the observer?

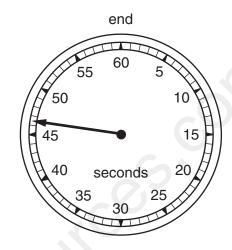
- A 1.06 seconds
- B 6 seconds



D 106 seconds

**7** A stopwatch is used to time a race. The diagrams show the watch at the start and at the end of the race.

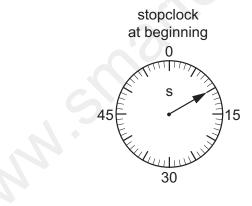


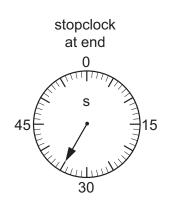


How long did the race take?

- **A** 45.7 s
- F
- 46.0 s
- **C** 46.5 s
- **D** 47.0 s

8 The diagrams show the times on a stopclock at the beginning and at the end of an experiment.





How long did the experiment take?

- **A** 10s
- 7
- 25 s
- **C** 35s
- **D** 45s

2 Four athletes run twice around a track. The table shows their times at the end of each lap.

Which athlete runs the second lap the fastest?

athlete	time at end of first lap/s	time at end of second lap/s
Α	22.99	2.99
В	23.04	3.04
С	23.16	3.16
	23.39	3.39

10 The diagram shows the image of a clock in a plane mirror.



What time is shown?

- **A** 02:25
- **B** 02:35
- V
- 09:25
- **D** 09:35