MEASURING TIME

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

runner 1   runner 2

What is the time difference between the two runners?

A 1.14 s   **B** 7.28 s   **C** 8.42 s   **D** 15.70 s

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

B 6 minutes 58.31 seconds

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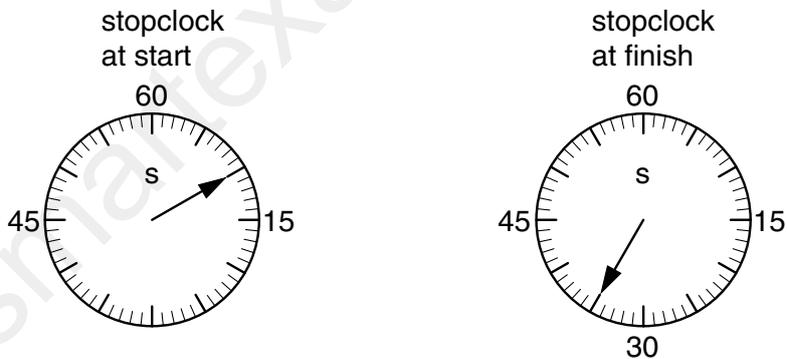
D 6 hours 58 minutes 31 seconds

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
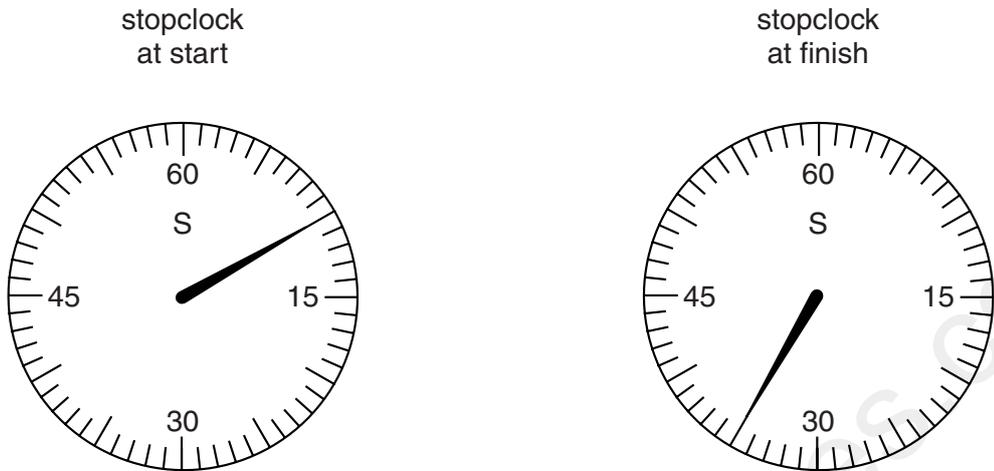
How long did the experiment take?

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

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

stopclock at start

stopclock at finish

How long did the experiment take?

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

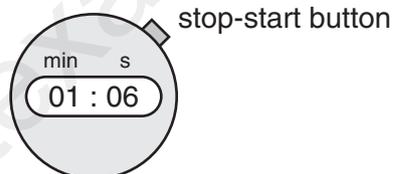**5** The diagram shows a thick-walled tube. The thickness of the wall is 3 mm.
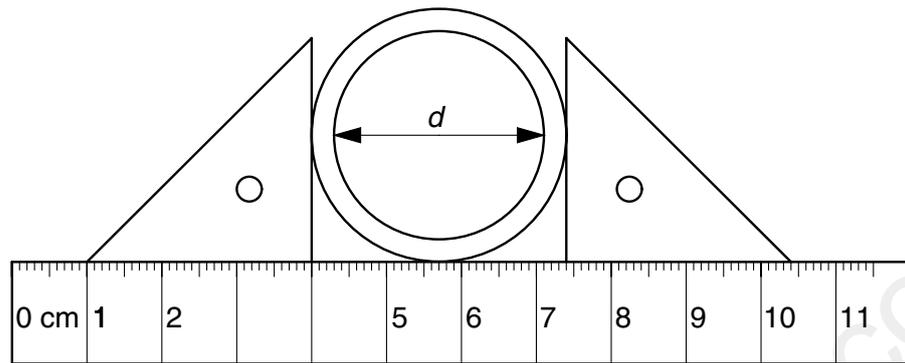
What is the internal diameter *d* of the tube?

A 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

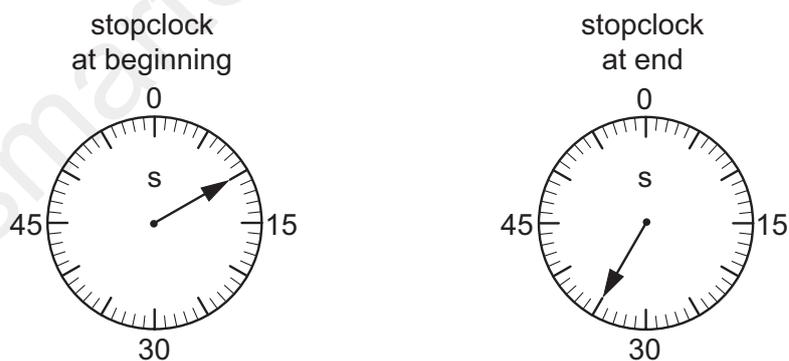**C** 66 seconds

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.
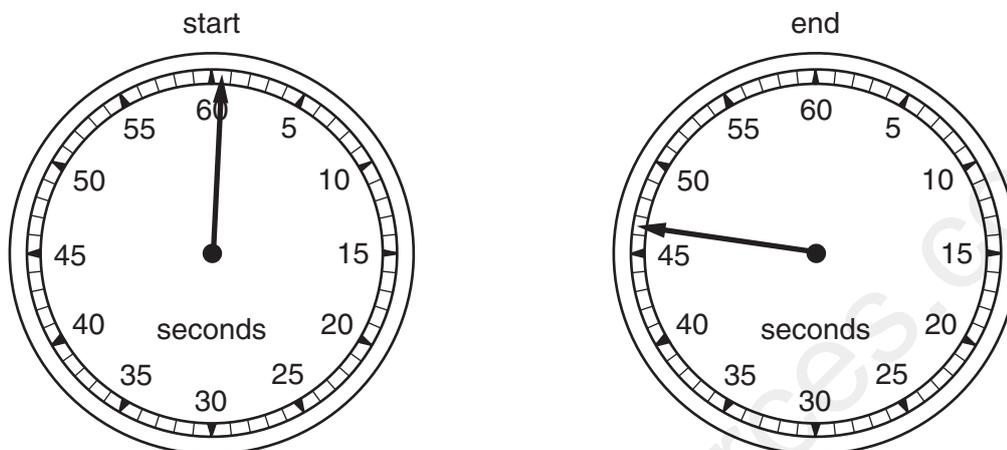
How long did the race take?

A 45.7 s **B** 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.
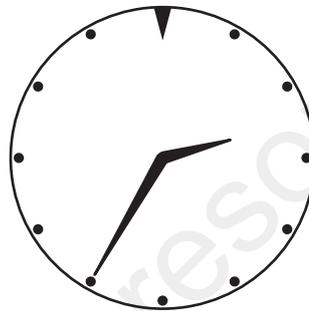

How long did the experiment take?

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

9   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
A	22.99	
B	23.04	
C	23.16	
D	23.39	

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

What time is shown?

A   02:25   **B**   02:35   **C**   09:25   **D**   09:35