MARKSCHEME+EXPERT SOLUTION

TIME-SET-2

1

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

The time is 09:25 as shown before reflection

What time is shown?

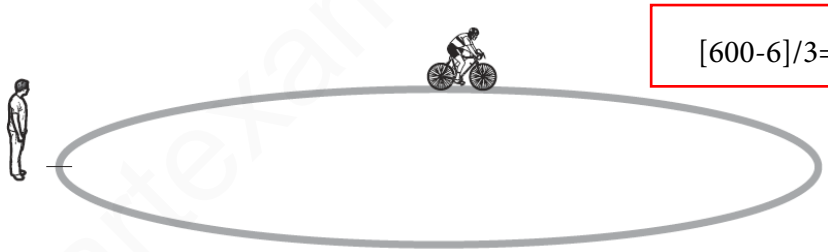
A 02:25 **B** 02:35 **C** 09:25 **D** 09:35

MS-1 C

2

A cyclist rides round a track three times.

[600-6]/3=198s



Her friend uses a stopwatch to record the time at the start of the ride, after one circuit, and at the end of the three circuits. The readings from the stopwatch are shown.

at the start

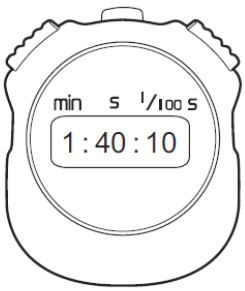
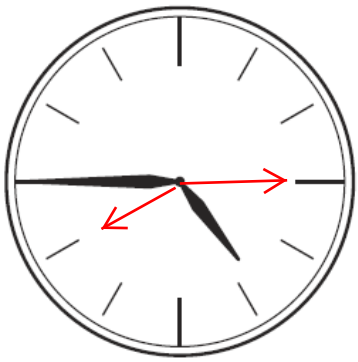
after one circuit

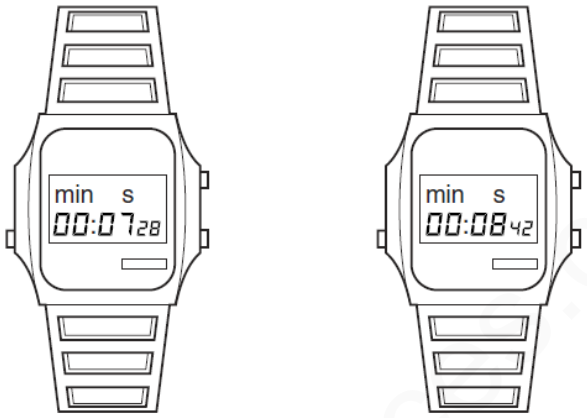
at the end of three circuits

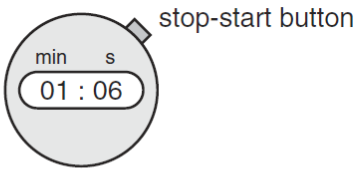
What is the average time for one circuit of the track?

A 174 s **B** 180 s **C** 198 s **D** 200 s

MS-2 C

3	A stopwatch is used to time a runner in a race. The diagrams show the stopwatch at the start and at the end of a lap of the race.  start of lap  end of lap How long did the runner take to finish the lap of the race? **A** 50.00 seconds **B** 50.10 seconds **C** 90.00 seconds **D** 100.10 seconds .10seconds get cancelled 1min 40s=100s. 100s-50s=50s
MS-3	A
4	The diagram shows the image of a clock in a plane mirror. Time as shown before reflection=07:15  Which is the actual time? **A** 04:15 **B** 04:45 **C** 07:15 **D** 07:45
MS-4	C

5	The digital stopwatches show the finishing times of two runners in a race. runner 1 runner 2  8.42-7.28=1.14s 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
MS-5	A
6	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
MS-6	B

7	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 **01:06=60s+6s=66s**
MS-7	C