

Q1. (2022)

0 2

Figure 3 shows competitors in the wheelchair race at the London Marathon.

The distance of the London Marathon is 42 000 m

Figure 3



Use the Physics Equations Sheet to answer questions **02.3** and **02.4**.

a)

0 2 . 3

Which equation links distance travelled, speed and time?

[1 mark]

Tick (✓) **one** box.

distance travelled = speed × time

☐

time = distance travelled × speed

☐

speed = distance travelled × time

☐

b)

0 2 . 4

The distance of the London Marathon is 42 000 m

The winning time for the race was 5600 seconds.

Calculate the average speed of the winner of the race.

[3 marks]