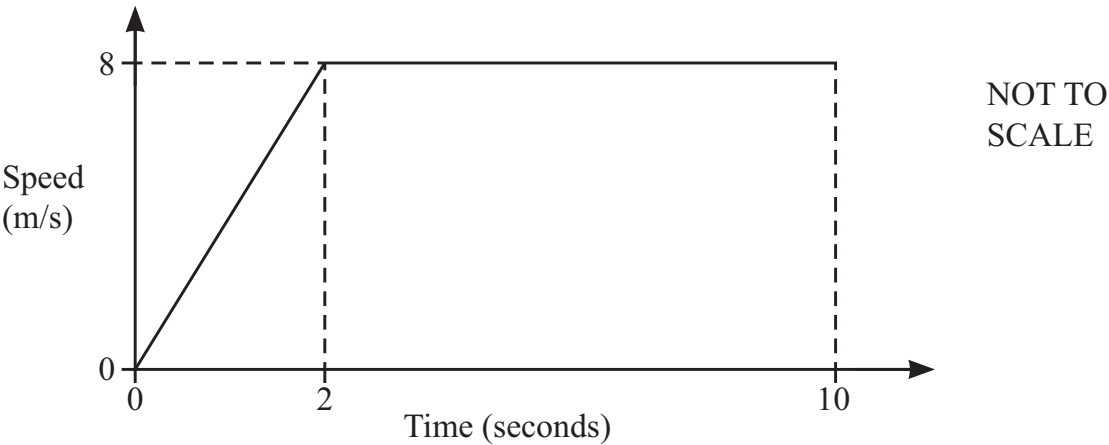


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The diagram shows part of the speed–time graph for an athlete in a race.

(a) Calculate the distance the athlete runs in the first 10 seconds.

..... m [2]

(b) The length of the race is 100 m.
After 10 seconds, the athlete continues to run at a speed of 8 m/s until the end of the race.

Calculate the **total** time the athlete takes to complete the 100 m race.

..... s [2]