SPEED-TIME-SET-1-QP 1 The diagram shows a speed-time graph for a body moving with constant acceleration. speed time What is represented by the shaded area under the graph? Α acceleration В distance C speed D time The diagram shows the speed-time graph for an object moving at constant speed. 2 2 1-2 time/s What is the distance travelled by the object in the first 3s? 1.5 m 2.0 m $3.0 \, m$ $6.0 \, \text{m}$

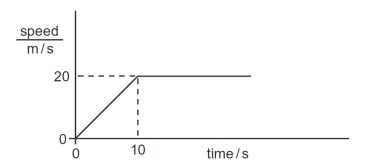
C

D

В

Α

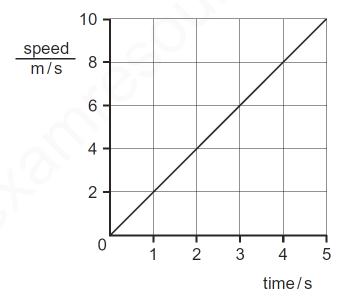
A car accelerates from traffic lights. The graph shows how the car's speed changes with time.



How far does the car travel before it reaches a steady speed?

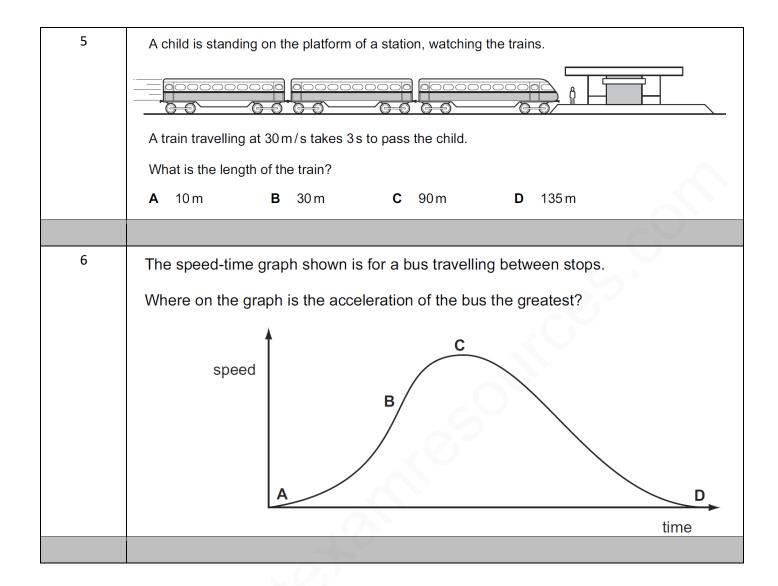
- **A** 10 m
- **B** 20 m
- **C** 100 m
- **2**00 m

The graph represents the movement of a body accelerating from rest.

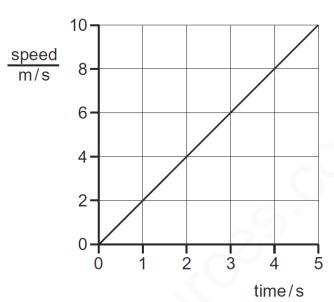


After 5 seconds how far has the body moved?

- **A** 2m
- **B** 10 m
- **C** 25 m
- **D** 50 m



The graph represents the movement of a body.



How far has the body moved after 5 s?

- **A** 2 m
- **B** 10 m
- **C** 25 m
- **D** 50 m

