

- 3** Two cars, initially next to each other and at rest, accelerate in the same straight line at different uniform rates. After 3 s, they are 36 m apart.

If they continue to accelerate at the same rate, how far apart will they be 5 s after they started?

A 60 m

B 96 m

C 100 m

D 256 m

- 4** A golf club hits a golf ball. The graph shows how the force F on the ball varies with time t .