4 Two cars are initially side-by-side and at rest. They then accelerate in the same direction along the same straight line at different uniform rates. After 4.0 s, one of the cars is 12 m ahead of the other.

If they continue to accelerate at the same rate, how far apart will they be 6.0 s after they started?

A 15 m **B** 18 m **C** 22 m **D** 27 m