1. A cyclist travelling along a straight track accelerates at 1.2 m s^{-2}.

   The speed of the cyclist increases from 4.0 m s^{-1} to 7.5 m s^{-1}.

   The distance travelled by the cyclist during this acceleration is

   A   1.5 m

   B   17 m

   C   20 m

   D   30 m

   E   34 m.