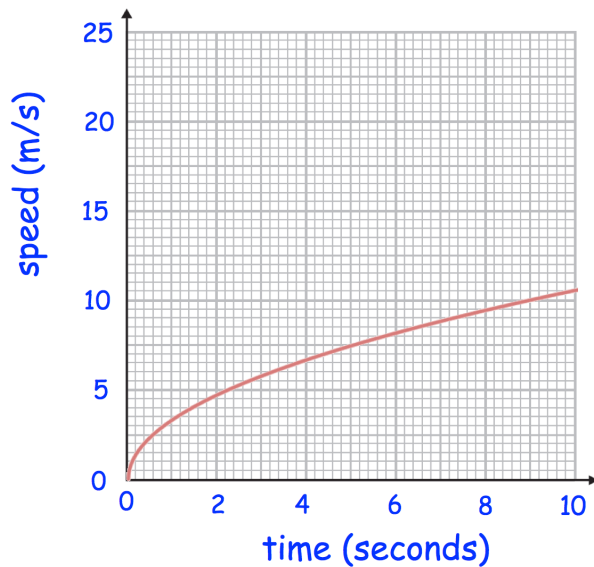


29th August



Corbettmaths

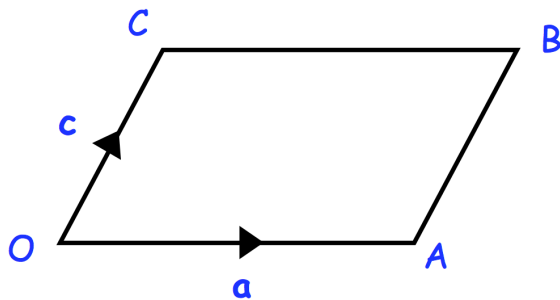


Work out an estimate for the acceleration of the car at $t = 1$.

Work out an estimate for the acceleration of the car at $t = 9$.

Shown is the first 10 seconds of the journey of a car

Write down the coordinates of the minimum point of the curve with equation $y = 2x^2 - 6x + 11$



Given that

$$\vec{YD} = 7a - \frac{1}{2}c$$

Find the value of m

OACB is a parallelogram

$$\vec{OA} = a \quad \vec{OC} = c$$

Y is the midpoint of AC
 OAD is a straight line where
 $OA:AD = m : 1$