

D. 0.16mm.

$25 = ?$

$$= 16 \times 10^3 = 160m \\ \approx 0.16 km$$



3. A car moves north at a constant speed of $3ms^{-1}$ for 20s and then east at a constant speed of $4ms^{-1}$ for 20s. What is the average speed of the car during this motion?

A. $7.0ms^{-1}$

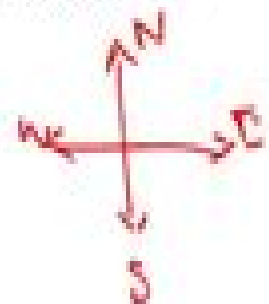
B. $5.0ms^{-1}$

C. $3.5ms^{-1}$

D. $2.5ms^{-1}$

$$V_{avg} = \frac{d_{total}}{t_{total}} = \frac{\text{total distance}}{\text{total time}}$$

$4ms^{-1} \quad 20s$

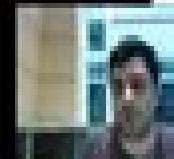


$$V = \frac{d}{t}$$

$$d = v \cdot t$$

$$d = 3 \times 20$$

$=$



N09 4 Physi Hpm Eng Tz0 Xx M

J Ma



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