

Distance Time Graphs.

Review: $v = \frac{d}{t}$ m/s.
Km/h

Average Speed / Velocity

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

Δ represents change: $\frac{d_2 - d_1}{t_2 - t_1}$

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#1. Easy to read, locate information faster. Visual, easier to find slope correct all information

#2. Speed. Velocity.

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3. a) steep slope. d
↳ fast

b) less steep slope. d
↳ less speed, slower.

c) zero slope. d
↳ no distance standing still

d) short line on the graph. d
↳ travelled a short distance.

e) long line → long distance. d

Be able to draw and represent meaning for each.

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4. 80 km/h.

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5. a)

b) 6. ? km.

c) 11-12 min.

d) No - all marks (plots) did not make a straight slope.

e) $S = \frac{\Delta d}{\Delta t} = \frac{12 - 7.2}{4.8} = 1.2 \text{ km/m}$

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f) $1.2 \frac{\text{km}}{\text{m}} = ? \frac{\text{km}}{\text{h}}$

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