Calculating average error

$$\text{average error} = \frac{\text{max} - \text{min}}{2}$$

EX ① How fast?

$\vec{d} = 3.0\,\text{km} \pm 100\,\text{m} = 3000\,\text{m} \pm 100\,\text{m}$

$t = 15\,\text{min} \pm 1\,\text{min} = 900\,\text{s} \pm 60\,\text{s}$

STEP ① Calculate best

$$V = \frac{d}{t} = \frac{3000}{900} = 3.33\ \text{m/s}$$

$$V = \frac{d}{t} = \frac{3100}{840} = 3.69\ \text{m/s}$$

STEP ② Calculate lowest

$$V = \frac{d}{t} = \frac{2900}{960} = 3.02\ \text{m/s}$$

Final $3.33\ \text{m/s} \pm \left(\frac{3.69 - 3.02}{2}\right)$

$3.33\ \text{m/s} \pm 0.335$

$3.33\ \text{m/s} \pm 0.34\ \text{m/s}$