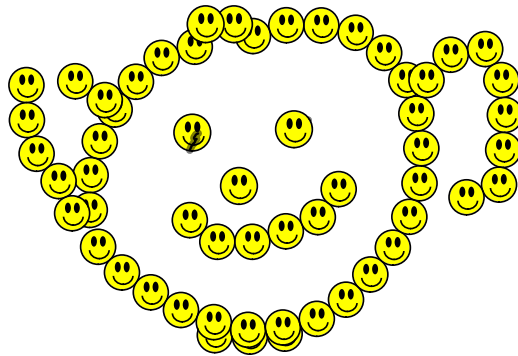


$$\left[ \frac{50 \text{ mi}}{\text{hr}} \right] \left[ \frac{5280 \text{ ft}}{\text{mi}} \right] = \left[ \frac{264000 \text{ ft}}{\text{hr}} \right] \left[ \frac{\text{m}}{3.28 \text{ ft}} \right]$$

$$= \left[ \frac{80487.804 \text{ m}}{\text{hr}} \right] \left[ \frac{\text{hr}}{3600 \text{ s}} \right] = 22.35 \text{ m/s} \quad \downarrow$$

$$\frac{10 \text{ M}}{1 \text{ sec}} \left[ \frac{3.28 \text{ ft}}{1 \text{ M}} \right] = \frac{32.8 \text{ ft}}{\text{sec}} \left[ \frac{1 \text{ mile}}{5280 \text{ ft}} \right] = \frac{.006 \text{ mile}}{\text{sec}} \left[ \frac{3600 \text{ s}}{1 \text{ hour}} \right] = 21.6 \text{ MPH}$$



50 - ? meters

$$50 \text{ mi} = \frac{5280 \text{ ft}}{1 \text{ mi}} = 264,000 \text{ ft} = \frac{3.28 \text{ ft}}{1 \text{ m}} =$$

$$\left[ \frac{50 \text{ miles}}{1 \text{ mile}} \right] \left[ \frac{5280 \text{ ft}}{1 \text{ mile}} \right] \left[ \frac{1 \text{ m}}{3.28 \text{ ft}} \right] = 80487.8 \text{ m}$$

$$\left[ \frac{80487.8 \text{ m}}{1 \text{ hr}} \right] \left[ \frac{1 \text{ hr}}{3600 \text{ s}} \right] = 22.36 \text{ m/s}$$

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$$\left[ \frac{10 \text{ m}}{\text{s}} \right] \left[ \frac{3.28 \text{ ft}}{1 \text{ m}} \right] = \left[ \frac{32.8 \text{ ft}}{\text{sec}} \right] = ? \text{ MPH}$$

$$= \left[ \frac{32.8 \text{ ft}}{\text{sec}} \right] \left[ \frac{1 \text{ mi}}{5280 \text{ ft}} \right] \left[ \frac{3600 \text{ sec}}{1 \text{ hr}} \right] = 22.32 \text{ MPH}$$

$$d = vt$$

