

$$\#1 \quad \frac{27.0 \text{ lbs}}{1} \times \frac{16 \text{ oz}}{1 \text{ lb}} = \boxed{432 \text{ oz}}$$

$$\#2 \quad \frac{54.3 \text{ ft}}{1} \times \frac{1 \text{ mi}}{5280 \text{ ft}} = \boxed{0.0103 \text{ mi}}$$

$$\#3 \quad \frac{5.0 \text{ L}}{1} \times \frac{1.0567 \text{ qt}}{1 \text{ L}} \times \frac{2 \text{ pints}}{1 \text{ quart}} \times \frac{2 \text{ cups}}{1 \text{ pint}} \times \frac{8 \text{ fl oz}}{1 \text{ cup}} = \boxed{1.7 \times 10^2 \text{ fl oz}}$$

$$\#4 \quad \frac{11 \text{ mg}}{1} \times \frac{0.001 \text{ g}}{1 \text{ mg}} = \boxed{0.011 \text{ grams}}$$

$$\#5 \quad 0.84 \text{ mL to } \mu\text{L} \quad \frac{0.84 \text{ mL}}{1} \times \frac{0.001 \text{ L}}{1 \text{ mL}} \times \frac{1 \mu\text{L}}{1 \times 10^{-6} \text{ L}} = \boxed{840000 \mu\text{L}}$$

$$\#6 \quad 4500 \text{ m to Mm} \quad \frac{4500 \text{ m}}{1} \times \frac{1 \text{ Mm}}{1 \times 10^6 \text{ m}} = \boxed{4.5 \times 10^{-3} \text{ Mm}}$$

$$\#7 \quad \frac{25 \text{ in}}{1} \times \frac{2.54 \text{ cm}}{1 \text{ in}} = \boxed{64 \text{ cm}}$$

$$\#8 \quad \frac{0.56 \text{ gal}}{1} \times \frac{3.785 \text{ L}}{1 \text{ gal}} = \boxed{2.1 \text{ L}}$$

$$\#9 \quad \frac{3.2 \times 10^2 \text{ lbs}}{1} \times \frac{1 \text{ kg}}{2.205 \text{ lbs}} = \boxed{1.5 \times 10^2 \text{ kg}}$$

$$\#10 \quad \frac{20 \text{ mi}}{1 \text{ hr}} \times \frac{5280 \text{ ft}}{1 \text{ mi}} \times \frac{1 \text{ yrd}}{3 \text{ ft}} \times \frac{1 \text{ m}}{1.0936 \text{ yds}} \times \frac{1 \text{ hr}}{60 \text{ min}} \times \frac{1 \text{ min}}{60 \text{ sec}} = \boxed{8.9 \text{ m/sec}}$$

$$\#11 \quad \frac{16.2 \text{ gal}}{1 \text{ min}} \times \frac{3.785 \text{ L}}{1 \text{ gal}} \times \frac{60 \text{ min}}{1 \text{ hr}} = \boxed{3680 \text{ min}}$$

$$\#12 \quad \frac{43 \text{ min}}{1 \text{ hr}} \times \frac{1 \text{ km}}{0.62137 \text{ mi}} \times \frac{60 \text{ min}}{1 \text{ hr}} = 1.153 \rightarrow \boxed{1.2 \text{ km/hr}}$$

$$\#13 \quad \frac{67 \text{ cm} \cdot \text{cm} \cdot \text{cm}}{1 \text{ cm}} \times \frac{0.01 \text{ m}}{1 \text{ cm}} \times \frac{0.01 \text{ m}}{1 \text{ cm}} \times \frac{0.01 \text{ m}}{1 \text{ cm}} = \boxed{6.7 \times 10^{-5} \text{ m}^3}$$

$$\#14 \quad \frac{34,000 \text{ in} \cdot \text{in}}{(12 \text{ in})^2} = \boxed{2800 \text{ ft}^2}$$

$$\#15 \quad \frac{0.975 \text{ ft} \cdot \text{ft}}{(3 \text{ ft})^2} = \boxed{0.325 \text{ yds}^2}$$

$$\#16 \quad \frac{3,390 \text{ words}}{100 \text{ words}} \times \frac{1 \text{ min}}{60 \text{ min}} = \boxed{0.6 \text{ hours}}$$

$$\#17 \quad \frac{26 \text{ min}}{60 \text{ min}} \times \frac{1 \text{ hr}}{1 \text{ hr}} \times \frac{18.0 \text{ mi}}{1 \text{ hr}} = \boxed{7.8 \text{ miles}}$$