

Objective: Students will be able to convert between different units of measurement.

Directions: Convert each of the following units of measurement into the desired unit. Show your work.

Ex. 4 hours = ? minutes

$$4 \text{ hours} \cdot \frac{60 \text{ minutes}}{1 \text{ hour}} = 240 \text{ minutes}$$

1. 36 inches = ? feet

$$\frac{36 \text{ in}}{1} \cdot \frac{1 \text{ ft}}{12 \text{ in}} = 3 \text{ ft.}$$

2. 18 quarts = ? Gallons

$$\frac{18 \text{ quarts}}{1} \cdot \frac{1 \text{ gal}}{4 \text{ quarts}} = \frac{18}{4} = 4.5 \text{ gal.}$$

3. 6 lbs. = ? ounces

$$\frac{6 \text{ lbs.}}{1} \cdot \frac{16 \text{ oz.}}{1 \text{ lb.}} = 96 \text{ oz.}$$

4. 1 year = ? minutes

$$\frac{1 \text{ year}}{1} \cdot \frac{365 \text{ days}}{1 \text{ year}} \cdot \frac{24 \text{ hrs.}}{1 \text{ day}} \cdot \frac{60 \text{ min}}{1 \text{ hr.}} = 525,600 \text{ min.}$$

5. 100 yards = ? inches

$$\frac{100 \text{ yards}}{1} \cdot \frac{3 \text{ ft.}}{1 \text{ yard}} \cdot \frac{12 \text{ in.}}{1 \text{ ft.}} = 3600 \text{ in.}$$