

Measurement
Quiz 1
"English Conversions"

- 1.) Tim wants to convert 20 lbs into ounces. He will use the conversion: **16 oz = 1 lb**.
 Decide which part of the conversion factor belongs in position **A**.

$$\frac{20 \text{ lbs}}{1} \times \frac{A}{B} =$$

Answer: _____ (write either **16 oz** or **1 lb**)

- 2.) Lisa wants to convert 870 grams into ounces. She will use the conversion factor:
1 oz = 28.3 grams. Decide which part of the conversion factor belongs in position **B**.

$$\frac{870 \text{ grams}}{1} \times \frac{A}{B} =$$

Answer: _____ (write either **1 oz** or **28.3 grams**)

- 3.) For practice, Jim wants to convert 2.5 days into seconds. His basic setup is shown below. Decide the correct measurements for positions **A** and **B**.

$$\frac{2.5 \text{ days}}{1} \times \frac{24 \text{ hrs}}{A} \times \frac{60 \text{ min}}{1 \text{ hr}} \times \frac{B}{1 \text{ min}} =$$

Answer: _____ (Position A)

Answer: _____ (Position B)

For problems #4 - 10 convert the given measurement to the indicated units of measure.

4.) 440 yds = ? miles (*nearest hundredth*) 7.) 3 bushels = ? quarts (*whole number*)

5.) 4.5 lbs = ? ounces (*whole number*) 8.) \$4/lb = ? \$/oz (*nearest penny*)

6.) 2 quarts = ? cups (*whole number*) 9.) 40 mi/hr = ? ft/sec (*nearest tenth*)

10.) 5 square feet = ? square inches (*whole number*)