

Rounding and More Conversion Practice

Name _____ Period _____

Round each number to the correct place as indicated in the problem.

- 1) 5.4323 (hundredths place) _____
- 2) 123,506 (thousands place) _____
- 3) 12,345,560 (hundreds place) _____
- 4) 0.003456 (ten thousandths place) _____
- 5) 23,456.98765 (tenths place) _____
- 6) 859,475.38994 (hundred thousands place) _____
- 7) 742,388,234.222 (millions place) _____
- 8) 3.2989 (hundredths place) _____
- 9) 234.323 (tens place) _____
- 10) 13,895.9938 (ten thousands place) _____



Before converting, predict if your final number should be larger or smaller than the number you are starting with. Then, convert each problem using dimensional analysis to show your work.

Example: 340 mg to g # PREDICTION: smaller

$$\frac{340 \text{ mg}}{1000 \text{ mg}} \times \frac{1 \text{ g}}{1} = 0.340 \text{ g}$$

You need to know the metric conversions for milli-, centi-, and kilo-. Some other conversions that might be helpful: 1 mi = 5280 ft; 1 kg = 0.0685 slug; 1 L = 4.226 cups; 1 in = 2.54 cm; 1 m = 3.09 ft;

1) Convert 56,000 kg to g. # PREDICTION: _____

2) Convert 543,785,000 mm to m. # PREDICTION: _____

3) Convert 0.0085 kl to L. # PREDICTION: _____

4) Convert 5 miles to inches. # PREDICTION: _____

5) Convert 3,898 cups to ml. # PREDICTION: _____

6) Convert 786 cm to yards. # PREDICTION: _____

7) Convert 525,600 minutes to weeks. # PREDICTION: _____

8) Convert 23,488 mg to kg. # PREDICTION: _____

9) Convert 389 ft to meters. # PREDICTION: _____

10) Convert 3,450 L to ml. # PREDICTION: _____

11) Convert 543 dozen to eggs. # PREDICTION: _____

12) Convert 500 m to cm. # PREDICTION: _____

13) Convert 0.5 g to mg. # PREDICTION: _____

14) Convert 4.3 km to mm. # PREDICTION: _____

