**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Assignment:\_\_\_\_\_\_\_**

**Metric Converting**

**Let’s start simple… place value.**

**Rules for rounding:**

**Rounding practice:**

**Number: Round to: Answer:**

19.756 Nearest hundredth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14.872 Nearest tenth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17.555 Nearest thousandth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12.342 Nearest tens \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14.456 Nearest tenth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Metric Mania – Metric Conversion Ladder Method**

**Ladder Method: Fill in the ladder below**



**How do you use the “ladder” method?**

1st – Determine your starting point and ending point

2nd – Count the “jumps” to your ending point

3rd – Move the decimal the same number of jumps in the same direction

**Example:**

4km = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_m How many jumps does it take?

**Conversion Practice**

**Try these conversions using the ladder method:**

1000 mg = \_\_\_\_\_\_\_\_ g

14 km = \_\_\_\_\_\_\_\_m

1 L = \_\_\_\_\_\_\_\_ mL

109 g = \_\_\_\_\_\_\_\_ kg

160 cm = \_\_\_\_\_\_\_\_mm

250 m = \_\_\_\_\_\_\_\_km

**Compare using <, > or =**

56 cm \_\_\_\_\_\_\_\_ 6 m

7 g \_\_\_\_\_\_\_\_ 698 mg

**Write the correct abbreviation for each metric unit**

1. Kilogram \_\_\_\_\_
2. Meter \_\_\_\_\_
3. Gram \_\_\_\_\_
4. Milliliter \_\_\_\_\_
5. Millimeter \_\_\_\_\_
6. Liter \_\_\_\_\_
7. Kilometer \_\_\_\_\_
8. Centimeter \_\_\_\_\_
9. Milligram \_\_\_\_\_

**Conversion Practice**

1. 2000 mg = \_\_\_\_\_ g
2. 104 km = \_\_\_\_\_ m
3. 480 cm = \_\_\_\_\_ m
4. 5.6 kg = \_\_\_\_\_ g
5. 8 mm = \_\_\_\_\_ cm

**Compare using <, > or =**

1. 63 cm \_\_\_\_\_ 6 m
2. 536 cm \_\_\_\_\_ 53.6 dm
3. 5 g \_\_\_\_\_ 508 mg
4. 43 mg \_\_\_\_\_ 5 g
5. 1,500 mL \_\_\_\_\_ 1.5 L
6. 3.6 m \_\_\_\_\_ 36 cm

**Metric Converting Practice (on your own!!):**

**Give the missing decimals**

1) 3 mm = \_\_\_\_\_\_\_cm 5) 6 cl = \_\_\_\_\_\_\_\_l 9) 25 cg =\_\_\_\_\_\_\_\_g

2) 5cm = \_\_\_\_\_\_\_dm 6) 7 dl = \_\_\_\_\_\_\_\_dkl 10) 15g=\_\_\_\_\_\_\_\_kg

3) 6dm= \_\_\_\_\_\_\_m 7) 9l= \_\_\_\_\_\_\_\_hl 11)32dg=\_\_\_\_\_\_\_\_kg

4) 8m = \_\_\_\_\_\_\_\_dkm 8) 4ml= \_\_\_\_\_\_\_\_l 12) 98cg =\_\_\_\_\_\_\_\_g

**Give the missing number**

13) .3cm = \_\_\_\_\_\_\_mm 17) .06l = \_\_\_\_\_\_\_\_cl 21) .27g=\_\_\_\_\_\_\_\_mg

14) .6m = \_\_\_\_\_\_\_dm 18) .08dkl = \_\_\_\_\_\_\_\_dl 22).15g=\_\_\_\_\_\_\_\_mg

15) .4hm= \_\_\_\_\_\_\_dkm 19) .09hl= \_\_\_\_\_\_\_\_l 23).052 dkg=\_\_\_\_\_\_\_cg

16) .9km = \_\_\_\_\_\_\_\_hm 20) .002l= \_\_\_\_\_\_\_\_ml 24).22hg=\_\_\_\_\_\_\_\_g