Name:_____ **Period:**_____ **Date:**_____

Metric Conversions: One Step

Directions: Use the conversion chart to solve each problem. Remember, the larger unit gets a "1" in the conversion factor. The other unit gets the conversion value from the chart.

1) 3.68 kg =_____g

2) 568 m = _____cm

3) 8700 mL = _____ L

4) 25 mg = _____ g

5) 0.101 m = _____nm

6) 250 mL = _____L

7) 600 g = _____ kg

8) 8900 mm = _____m

9) 0.000004 m = _____ mm

10) 0.250 kg = _____ g

Name:_____ **Period:**_____ **Date:**_____

Metric Conversions: Two Step

Directions: Use the conversion chart to solve each problem. You must convert to the base unit first since each problem is a two step (both units have prefixes). Remember, the larger unit gets a "1" in each conversion factor. The other unit gets the conversion value from the chart.

1) 254 mm =_____km

2) 0.004 Mg = _____ng

3) 46 Gg = _____ dg

4) 675 pm = _____ cm

5) 0.072 km = _____mm

6) 97.8 dg = _____ug

7) 1.88 ms = _____ ns

8) 6.48 dm = _____um

9) 14.72 kg = _____ mg

10) 25 mm = _____cm