

## METRIC CONVERSION WORKSHEET

NAME: \_\_\_\_\_ Period: \_\_\_\_\_

Convert the following:

- 36.52 mg = \_\_\_\_\_ g
- 14.72 kg = \_\_\_\_\_ mg
- .0035 hm = \_\_\_\_\_ dm
- .134 m = \_\_\_\_\_ km
- 25 mm = \_\_\_\_\_ cm
- 2.5 cm<sup>3</sup> = \_\_\_\_\_ mL
- 243 daL = \_\_\_\_\_ L
- 45.23 L = \_\_\_\_\_ mL
- .035 hL = \_\_\_\_\_ cL
- 27.32 mm = \_\_\_\_\_ m
- 15 m = \_\_\_\_\_ dm
- .023 cc = \_\_\_\_\_ L
- .00049 km = \_\_\_\_\_ mm
- .025 kg = \_\_\_\_\_ g
- 15 g = \_\_\_\_\_ hg

Here's a chart to help you with your conversions!

Kilo	Hecto	Deka	Main	Deci	Centi	Milli
1,000	100	10	1	.1	.01	.001

Now, solve the following measuring problems. There's a triangle to help you on the next page!

- If you have a density of 3 g/mL and a mass of 15 g, what is the volume?
- If you have a density of 3 g/mL and a volume of 10 mL, what is the mass?

18. If you have a volume of 10 mL and a mass of 100 kg, what is the density?
19. If you have a mass of 50 g and a density of 2 g/mL, what is the volume?
20. If you have a volume of 55 L and a density of 2 kg/L, what is the mass?
21. If you have a density of 15 g/mL and a mass of 5 g, what is the volume? (Don't use fractions—change it to a decimal form)
22. If you have a volume of 8L and a mass of 16 kg, what is the density?
23. If you have a density of 2.5 g/mL and a mass of 5 g, what is the volume?
24. If you have a density of 100 kg/L, and a mass of 1000 units, tell me the following:  
First what are the mass units?
25. Secondly, what is the volume?

