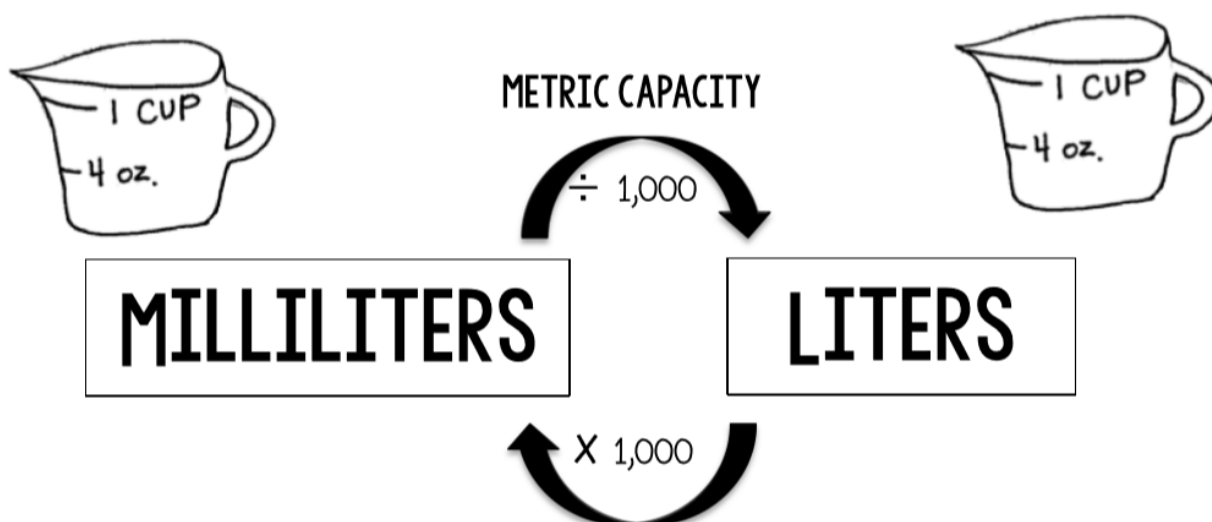
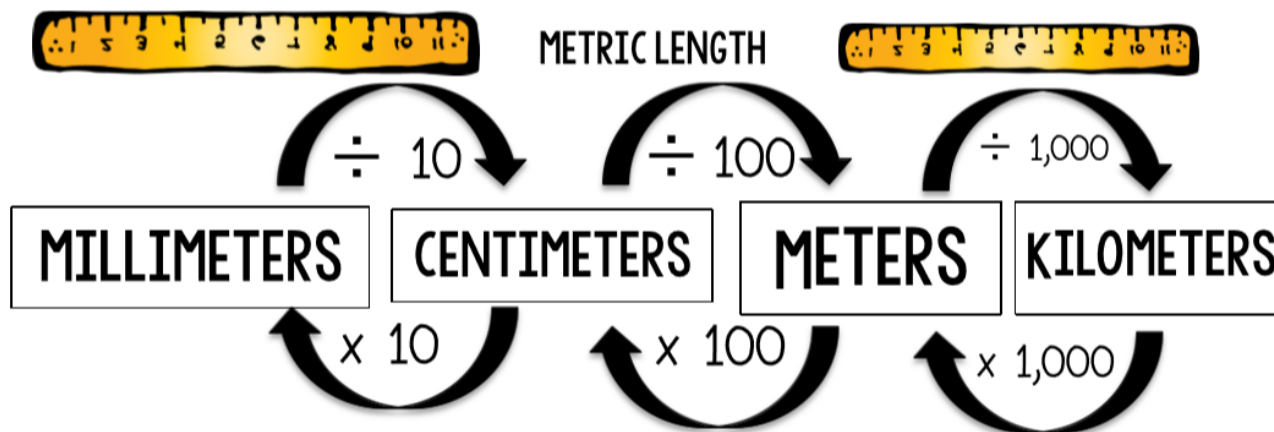
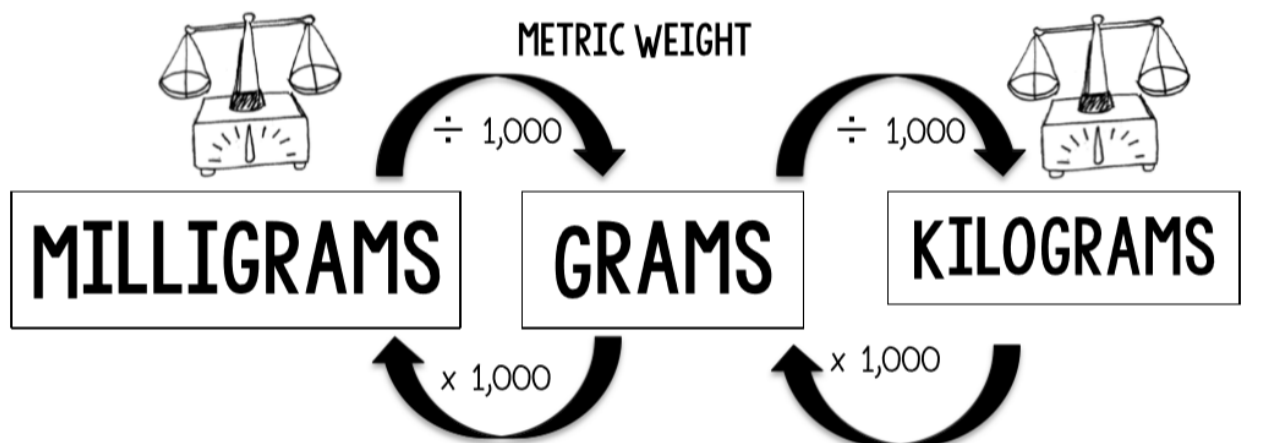


METRIC CONVERSIONS STUDY GUIDE



Converting Metric Units

1. How many millimeters are in 60 centimeters?

10 millimeters (mm) = 1 centimeter (cm)

2. Gary has a biology internship where all he does is make agar (the gel-like substance in petri dishes on which bacteria grows). Thus far during his internship, Gary has measured out 16 kilograms of sugar for agar batches. How many grams of sugar has Gary measured out?

1000 grams (g) = 1 kilogram (kg)

3. Convert: 397 kl = ____ l

4. Convert: 53 dag = ____ kg

5. Convert: 874 cg = ____ dag

6. Cindy works in quality control for a famous company that manufactures bottled perfume. She selects a bottle of perfume off of the conveyor belt at random before it is packaged and samples the volume contained within. Last month, Cindy measured 20,000 total milliliters of perfume. How many liters of perfume did Cindy measure last month?

1 liter (L) = 1000 milliliters (mL)

7. Convert: 265 ml = ____ l

8. Convert: 965 dm = ____ dam

9. Leah runs cross country for her high school's track and field team. Her coach requires that she keeps a log of how many kilometers she runs during the summer. If Leah logged that she ran 14,000 meters at a local track, how many kilometers did she run?

1000 meters (m) = 1 kilometer (km)

10. How many milliliters are in 0.275 liter?

1 liter (L) = 1000 milliliters (mL)