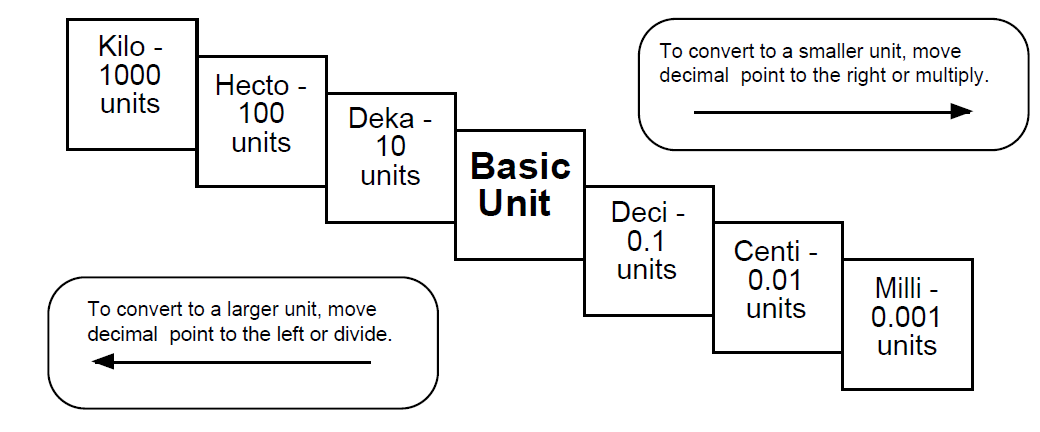
# Science Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Metric Conversion Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



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

|  |  |
| --- | --- |
| 1. 154 cm = \_\_\_\_\_\_\_\_ m | 1. 220 mm = \_\_\_\_\_\_\_\_ cm |
| 1. 1000 mg = \_\_\_\_\_\_\_\_ g | 1. 1 L = \_\_\_\_\_\_\_\_ mL |
| 1. 109 g = \_\_\_\_\_\_\_\_ kg | 1. 250 m = \_\_\_\_\_\_\_\_ km |
| 1. 2000 mg = \_\_\_\_\_\_\_\_ g | 1. 5 L = \_\_\_\_\_\_\_\_ mL |
| 1. 16 cm = \_\_\_\_\_\_\_\_ mm | 1. 198 g = \_\_\_\_\_\_\_\_ kg |
| 1. 480 cm = \_\_\_\_\_\_\_\_ m | 1. 75 ml = \_\_\_\_\_\_\_\_ L |
| 1. 5.6 kg = \_\_\_\_\_\_\_\_ g | 1. 50 cm = \_\_\_\_\_\_\_\_ m |

**Part II:** Use a ruler that has metric units to answer the following questions. You must use **METRIC UNITS and label each measurement with the units.**

1. Measure the length of this carrot and leaves in centimeters and millimeters.

[](http://www.google.com/url?sa=i&rct=j&q=carrot&source=images&cd=&cad=rja&uact=8&docid=gq4xKeSnYCc2BM&tbnid=d0OKuMJ6fo5ADM:&ved=0CAcQjRw&url=https://www.foodandhealth.com/clipart.php/view/738/&ei=POoiVJ7gF9ezggTjuILYAQ&bvm=bv.75775273,d.cWc&psig=AFQjCNExNVVKmOeGYSI1K2XrIZxxH2jHAg&ust=1411660718002009)

\_\_\_\_\_\_\_\_ cm

\_\_\_\_\_\_\_\_ mm

(www.foodandhealth.com)

1. Measure the length, width, and thickness of your agenda to the nearest tenth of a centimeter.

Length = \_\_\_\_\_\_\_\_\_\_ Width = \_\_\_\_\_\_\_\_\_\_ Thickness = \_\_\_\_\_\_\_\_\_\_

1. Measure the **perimeter**, distance around the edge, of this sheet of paper in centimeters.

Perimeter = \_\_\_\_\_\_\_\_\_\_

1. Draw a 76 mm line in the space below.
2. Measure the length of your pen or pencil. Choose the best metric unit. \_\_\_\_\_\_\_\_\_
3. If a piece of scrap paper is 340 mm long and 25 mm wide, what is its length and width in centimeters?

Length = \_\_\_\_\_\_\_\_\_\_ cm Width = \_\_\_\_\_\_\_\_\_\_ cm