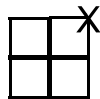


Metric Measurement Diagram

Use a metric ruler to draw the lines indicated below. Use a piece of graph paper to help keep your ruler straight-**the lines will not always land on the graph paper lines!!** Check off each box as you have completed it, so you don't lose your place. Note: Each new line starts where the previous line ends.

- Count up two boxes and over two boxes. Make an X to mark your starting place. Like this:



- Starting at the X, draw a line **up** that is **17.1 cm** long.
- Draw a line to the **right** that is **4.1 cm** long.
- Draw a line **down** that is **8.7cm** long.
- Draw a line to the **right** that is **3.8 cm** long.
- Draw a line **up** that is **12.5 cm** long.
- Draw a line to the **right** that is **9.2 cm** long.
- Draw a line **down** that is **1.0 cm** long.
- Draw a line to the **left** that is **2.5 cm** long.
- Draw a line **down** that is **2.8 cm** long.
- Draw a line to the **left** that is **8.6 cm** long. This line will cross another line.
- Draw a line **down** that is **15.6 cm** long. This line will cross another line.
- Draw a line to the **right** that is **11.0 cm** long.
- Draw a line **up** that is **4.2 cm** long.
- Draw a line to the **left** that is **12.9 cm** long. This line will cross another line.
- Draw a line **down** that is **5.8 cm** long.
- Draw a line to the **left** that is **4.7 cm** long.
- If all has gone well, you should end up back where you started! You should have **4 different shapes**. Color each shape a different color.
- Put your name on your diagram and pass it in!