**The Frame Shop Extension Part I:**

1. Choose a poster that is hanging up in your classroom. Measure the poster. Determine the area and the perimeter of the poster.
   1. AREA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. PERIMETER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Decide on the thickness of the mat that you would like around the poster you’ve selected. What color will it be? Remember that the thickness of the mat adds thickness around all four sides of the poster. What is the area of the mat board that will be needed for your artwork before the center hole has been cut? What is the area of the mat board that will be needed after the center hole has been cut?
   1. THICKNESS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. COLOR:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. AREA OF MAT BEFORE IT IS CUT: \_\_\_\_\_\_\_\_\_\_\_
   4. AREA OF MAT AFTER IT IS CUT: \_\_\_\_\_\_\_\_\_\_\_\_
3. How thick will your frame be? What will the area of the entire piece of artwork be after it has been framed? What will it’s perimeter be?
   1. THICKNESS OF FRAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. AREA OF ENTIRE ARTWORK: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. PERIMETER OF ENTIRE ARTWORK: \_\_\_\_\_\_\_\_\_\_\_
4. Draw and label a diagram of your framed and matted artwork below. Color your mat. Be sure to include all of the measurements you have chosen.