**Math 9 Journal Entries**

**Learning Guide 13**

**Expectation 1: Draw and interpret scale diagrams of 2-D shapes.**

Draw a diagram of an object. Explain how you would enlarge the object by a scale factor of 3. Explain how you would reduce the object by a scale factor of 0.5. Draw the enlarged and reduced diagrams.

**Expectation 2: Draw and interpret scale diagrams of 2-D shapes (with metric conversion).**

List the steps that you would take to determine the actual length of an object using a scale diagram. Use the following example: A model car is 12cm long. If the model was made at a scale of 1 : 25, what is the actual length of the car in metres? (1m =100cm)