Math 9A 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)