

Name: \_\_\_\_\_ Class Period: \_\_\_\_\_ Date: \_\_\_\_\_

# DRAWING LAKE WINNEBAGO TO SCALE

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1. Select which of these scaling factors you chose to use. Be sure to consider your paper size when choosing your scale.

1 km = 2.5 cm      10 km = 5 cm      2 km = 5 cm      5 km = 1 cm      5 km = 5 cm

2. Complete the fields below. Be sure to show your calculations.

**a. Maximum length**

Distance: 48 km      Scaling factor:

My calculations:

Dimensions for my scaled drawing:

**b. Maximum width**

Distance: 16 km      Scaling factor:

My calculations:

Dimensions for my scaled drawing:

**c. Width at place I chose toward north end of the lake**

Distance:      Scaling factor:

My calculations:

Dimensions for my scaled drawing:

**d. Width at place I chose toward south end of lake**

Distance:      Scaling factor:

My calculations:

Dimensions for my scaled drawing:

3. Draw your scaled drawing of Lake Winnebago. Be sure to include an indication of the scale.

4. Discuss the importance of scale in creating and interpreting a map, but also the potential difficulty of including it.