

Name: _____ Class Period: _____ Date: _____

DRAWING LAKE WINNEBAGO TO SCALE

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.