

## SRMS Pride!

Santa Rosa Middle School needs posters for Spirit Week. The "SRMS Pride" logo will be turned into a poster that is five times the size of the actual logo shown below.



1. Use the drawing above to find the following measurements.

a. Scale Factor : \_\_\_\_\_

e. Length of the Scaled Logo: \_\_\_\_\_

b. Length of the Actual Logo: \_\_\_\_\_

f. Width of the Scaled Logo: \_\_\_\_\_

c. Width of the Actual Logo: \_\_\_\_\_

g. Area of the Scaled Logo \_\_\_\_\_

d. Area of the Actual Logo: \_\_\_\_\_

h. Ratio of Scaled area to Actual area \_\_\_\_\_

2. What is the scale factor? \_\_\_\_\_

3. How many times larger is the area of the scaled logo than the actual area? \_\_\_\_\_

4. What is the relationship between scale factor and area?