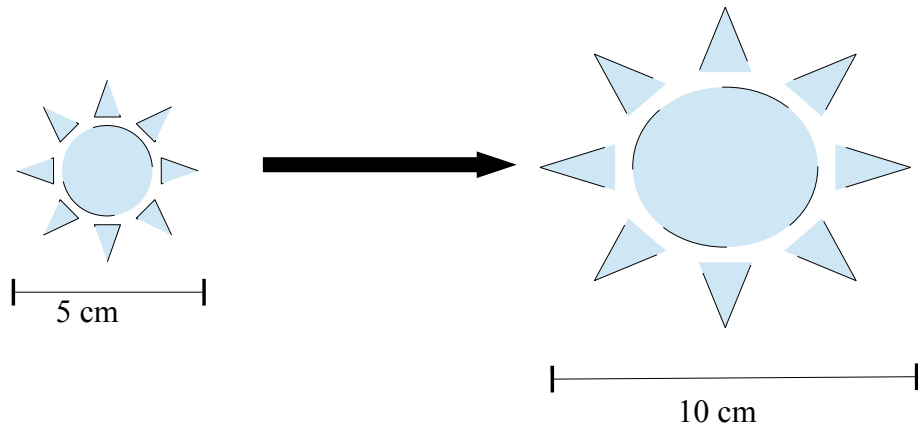


Name: _____

1. What does a scale factor smaller than 1 represent?

2. The following shape is enlarged as shown below, what is the scale factor of the enlargement?



3. A drawing is reduced using a scale factor of 0.4. If the original drawing was 20 inches by 1 foot, what are the dimensions of the new drawing?

4. A 10" x 10" picture is enlarged to be 60% longer and wider.

a) What will the enlarged dimensions be?

b) What will the scale factor of the enlargement be?

5. A 15 inch by 15 inch picture is to be reduced so that 4 identical copies will fit on a single piece of 11.5 inch by 8 inch paper, what scale factor should be used?