

# Scaling Up Directions and Recording Sheet

## Directions:

1. Your task is to scale up your original picture and draw the same picture as large as possible on the centimeter grid paper.
2. Figure out a scale factor, or ratio, that will make your drawing as large as it can be and still fit on the paper.
3. Your scaled-up drawing needs to be proportional to the original picture.
4. Measure at least five parts of the original picture and record the measurements and ratios in the chart below.
5. When you have finished, write at least four sentences describing how you created your scaled-up drawing.

1. Record five measurements you made to scale your drawing.

| My scale factor is $k = \underline{\hspace{2cm}}$ . |               |                |       |
|---|---------------|----------------|-------|
| What I measured:                                    | Small picture | Scaled Drawing | Ratio |
|   |               |                |       |
|   |               |                |       |
|   |               |                |       |
|   |               |                |       |
|   |               |                |       |

2. Write at least four sentences to describe how you made your scaled drawing.
  - Use sequencing vocabulary such as: first, next, then, finally, lastly
  - Include math vocabulary such as: scale factor, proportions, similar figures, ratio
3. **Learning reflection:** Use the sentence frame below to explain what you learned from this activity:

*Something I now understand better about [choose one or more: scale factor, proportions, similar figures, ratio] is \_\_\_\_\_ because \_\_\_\_\_ .*