

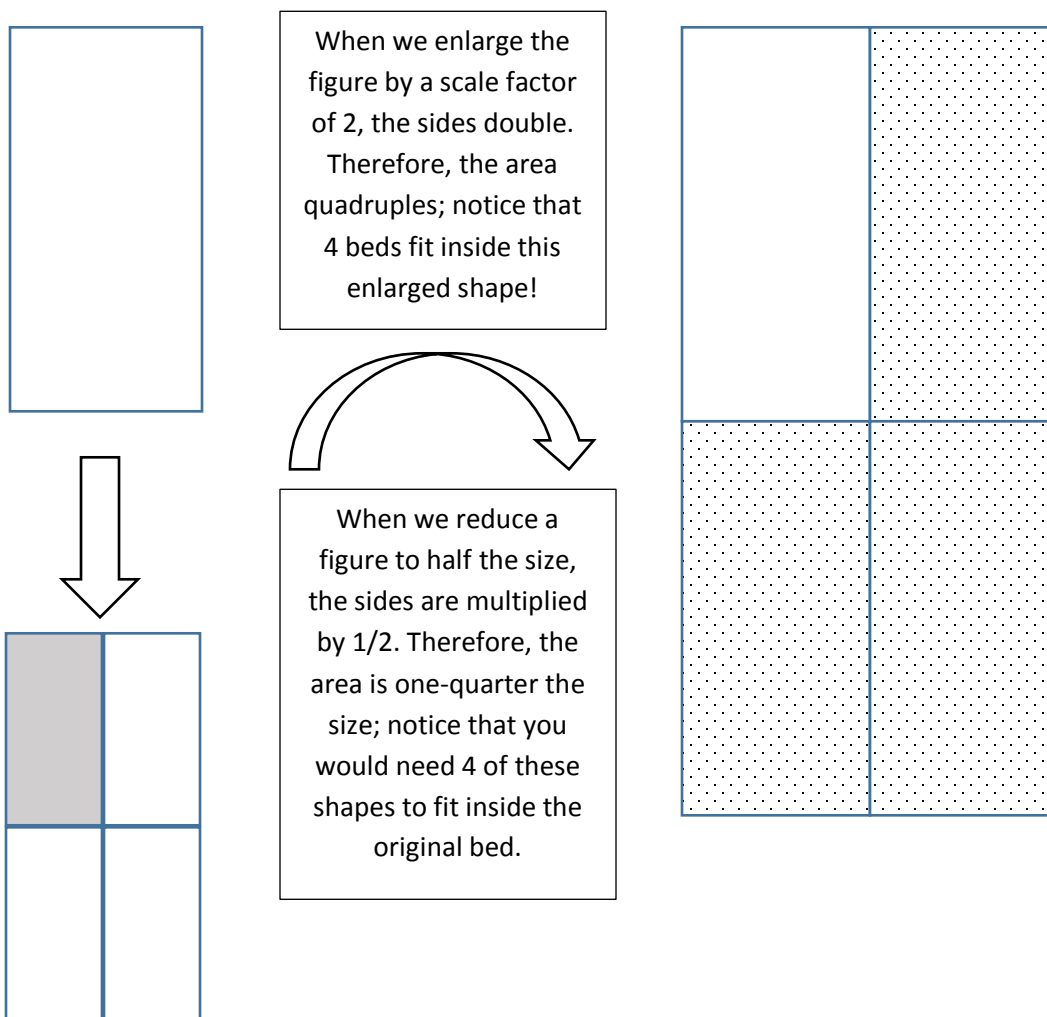
Scaling a Figure Wrap-Up

During the scaling-a-figure investigation, you figured (get, it?) out how the characteristics of a design change when it is enlarged or reduced. You discovered that when a shape is enlarged or reduced...

- The perimeter changes by the scale factor,
- The area changes by the square of the scale factor, and
- The angles do not change.

Learning goal: *Why does a figure change when we enlarge or reduce it?*

Below is the bed from our investigation:



Question: *Why does the area change by the square of the scale factor?*

(If you need more room, write on the back of this sheet.)