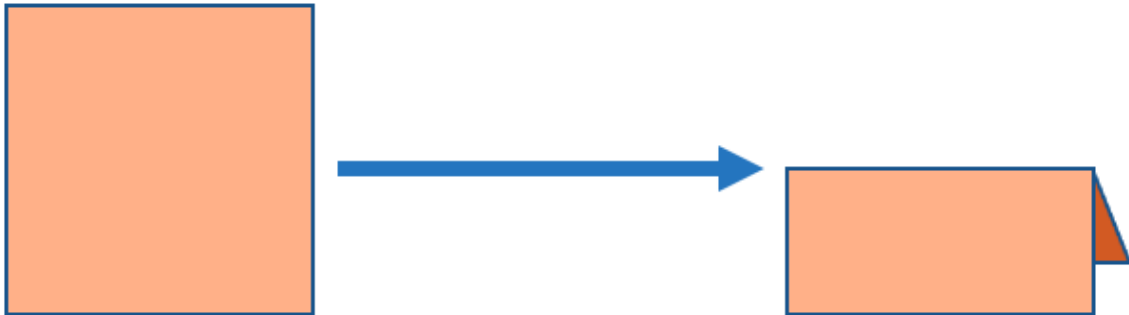


Cut It Out

Level A

Start with a square piece of paper that is 8 inches in length. Fold the piece of paper in half, bending the top edge down to meet the bottom edge of the paper.



Now fold the sheet in half again by bending the left side over to meet the right side.



How do the shape and size of the folded paper compare to the original sheet of paper? Describe its dimensions and area.

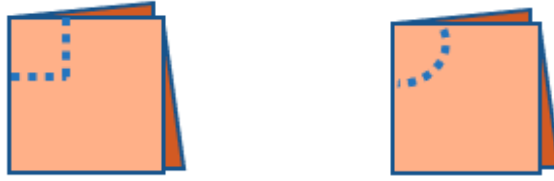
Now make the cut (dotted line) at the top left-hand corner of the folded paper.



Without unfolding the paper, draw and describe what the paper will look like when unfolded. Explain how you know.

— Inside Problem Solving: Cut It Out —

Repeat the folding process with new sheets of paper. Make the following cuts (dotted lines).



Before unfolding the paper, predict what the original paper will look like after the cut. Draw an illustration and explain your reasoning.