Cut-and-Paste Puzzles

1. Think about everything that you know about area. Does the area of a shape change if it is cut into pieces and pasted back together into a different shape? Look at the three shapes on the next page. Find the area of each. Do not measure with a ruler.

   A. Area of A _____

   B. Area of B _____

   C. Area of C _____

2. Do you think that you can cut Shape B into pieces and paste the pieces in a

   way so they exactly cover Shape A? _____

   Explain your thinking. _____

   _____
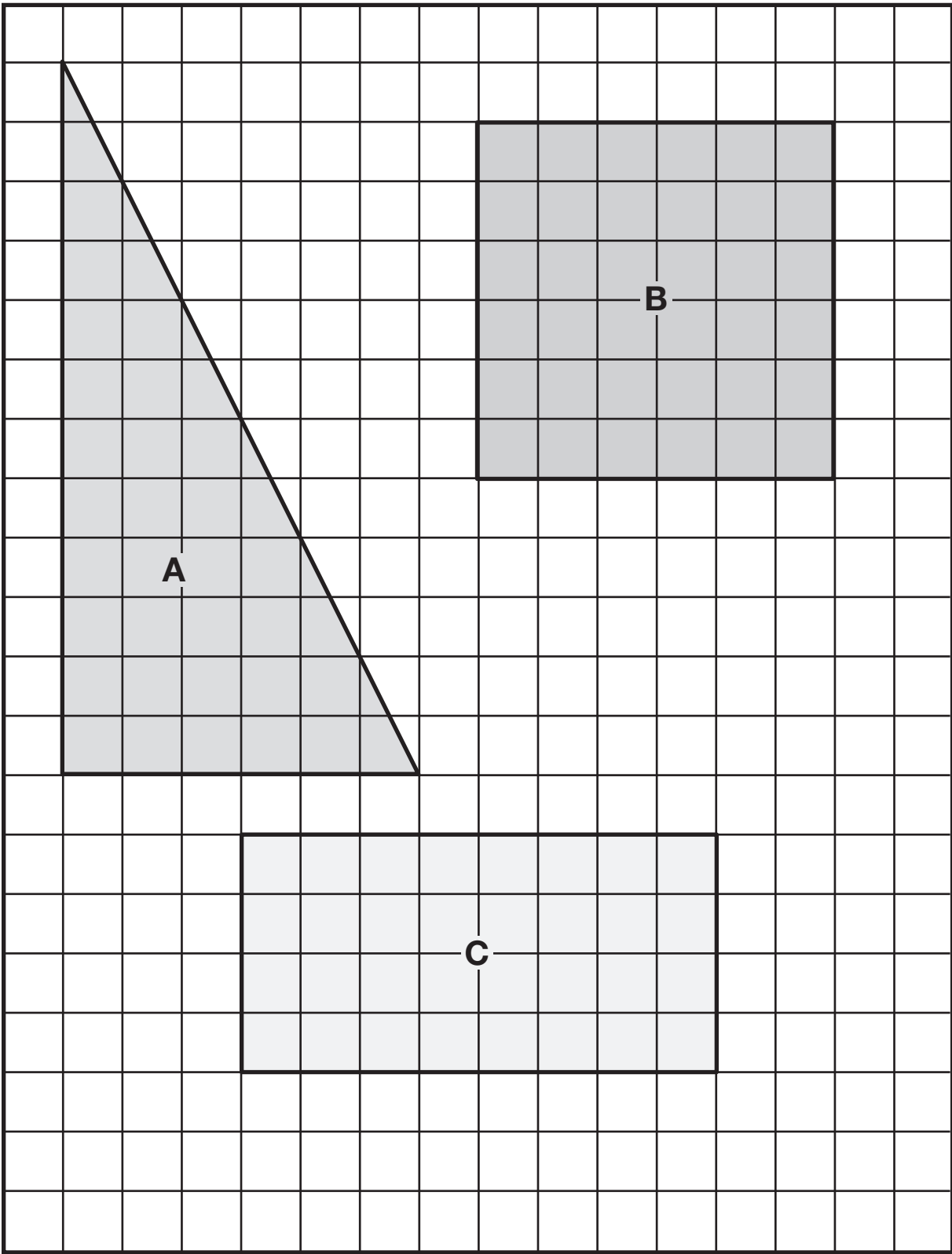
   If you answered yes, then try it. Did it work? _____

3. Do you think you can cut apart Shape A and paste the pieces in a way so

   that they exactly cover Shape B? _____

   Explain your thinking. _____

   _____

   If you answered yes, then try it. Did it work? _____

4. Do you think you can cut apart Shape C and paste the pieces in a way so

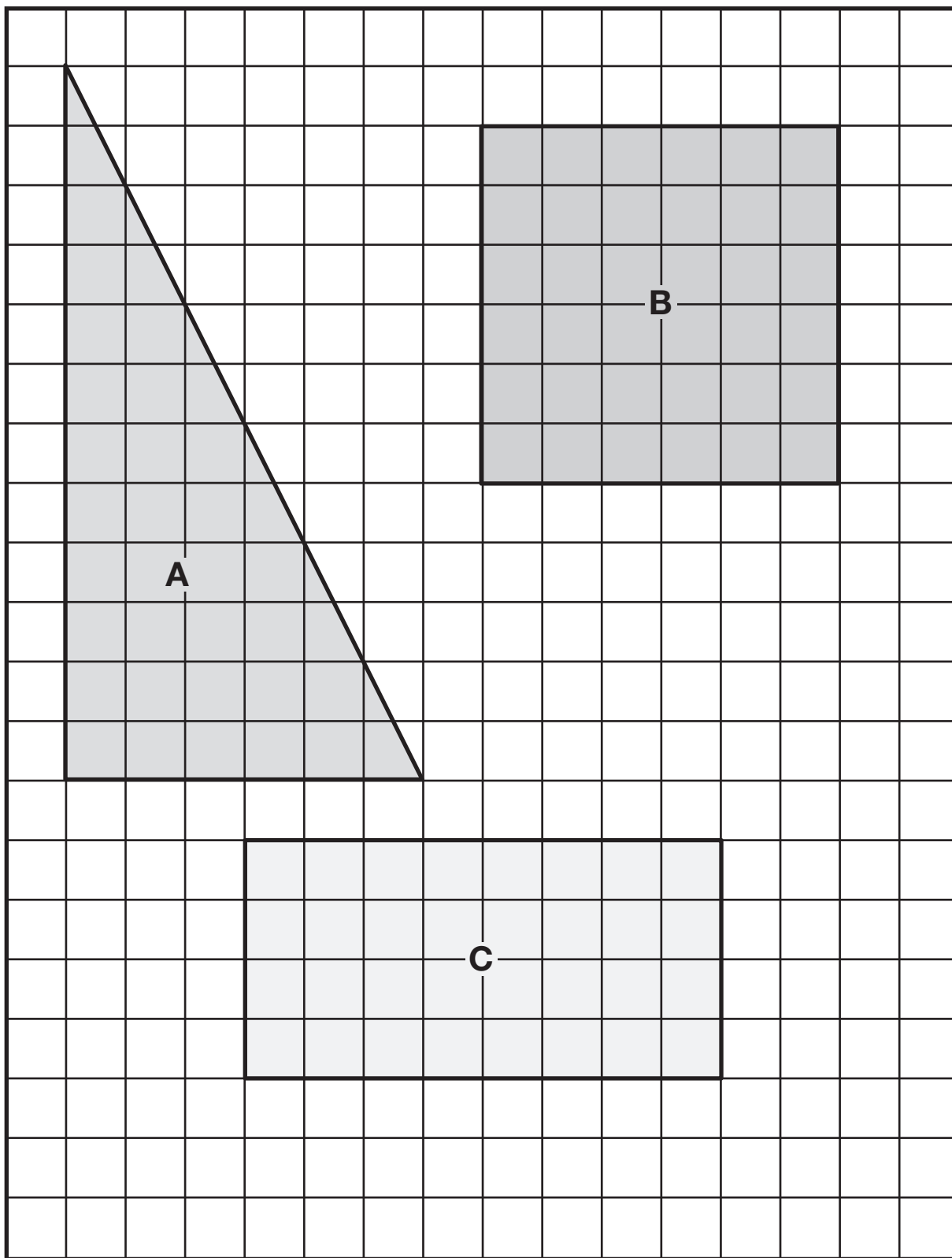   that they exactly cover Shape A? _____

   Explain your thinking. _____

   _____

   If you answered yes, then try it. Did it work? _____

Paste your pieces on this page.

Cut out these shapes for your cut-and-paste puzzles.

Area Problems   **SAB • Grade 5 • Unit 4 • Lesson 5**   **175**