

# Three to Five Sides



## Homework

Dear Family Member:

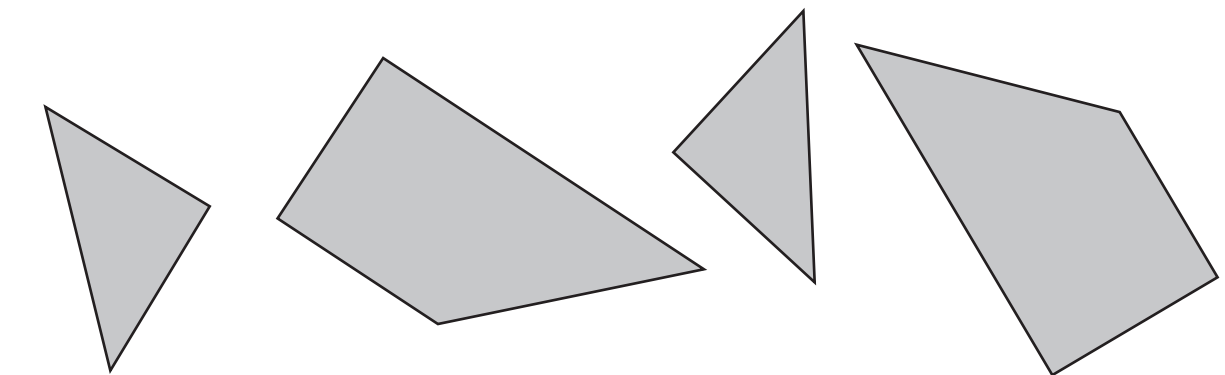
Students have been exploring shapes that have the same area but different perimeters. They have found the area by counting square inches and the perimeter by measuring to the nearest half inch. Solving puzzles develops problem-solving skills and the ability to recognize that shapes with the same area can have different perimeters.

Thank you.

**Cut out the four puzzle pieces at the bottom of the page. Use these pieces to solve the puzzles below. Put the pieces together edge to edge. You may need to flip them.**

**Trace your solutions on 1-inch grid paper.**

1. Make a triangle using all four puzzle pieces.
2. Make a quadrilateral (a shape with four sides) using all four puzzle pieces.
3. Make a pentagon (a shape with five sides) using all four puzzle pieces.
4. Find the area and perimeter of each puzzle made in Questions 1–3. Record the area and perimeter next to each puzzle.



Name \_\_\_\_\_ Date \_\_\_\_\_

**5.** What do you notice about the area of the three puzzles?

**6.** What do you notice about the perimeter of the three puzzles?