Name_____

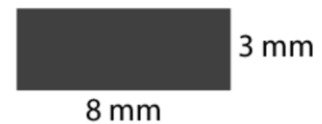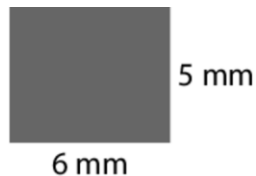**1.** Find the perimeter of the polygon.

8 ft

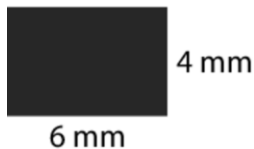6 ft

5 ft

7 ft
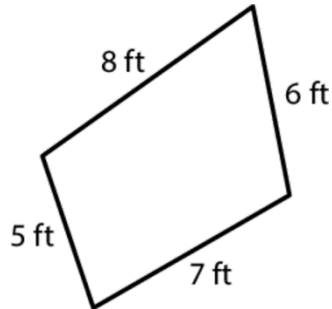
The perimeter is _____.
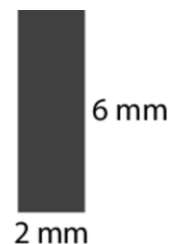
2. Find the unknown side length.

Perimeter = 28 millimeters

5 ft

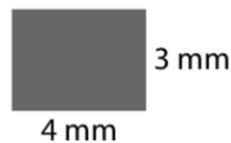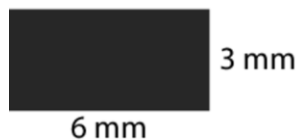*y* ft
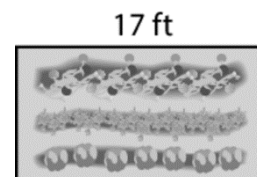
7 ft

8 ft
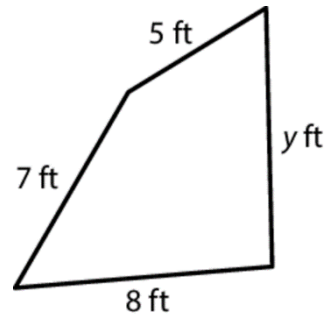
y = _____

3. Circle the two rectangles with the same perimeter.

4 mm

6 mm

5 mm

6 mm

3 mm

8 mm

4. Circle the two rectangles with the same area.

3 mm

6 mm

3 mm

4 mm

6 mm

2 mm

5. The perimeter of the rectangular garden is 52 feet. What are the lengths of the other three sides?
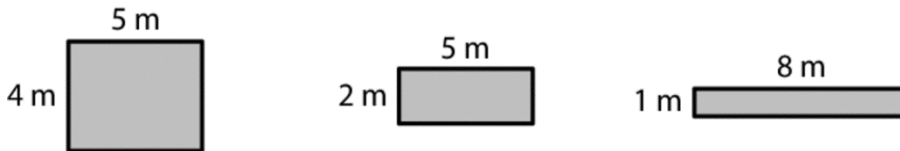
17 ft

6. How much greater is the perimeter of your piece of fabric than the perimeter of your friend's piece of fabric?

You   Friend

1 in.

_____
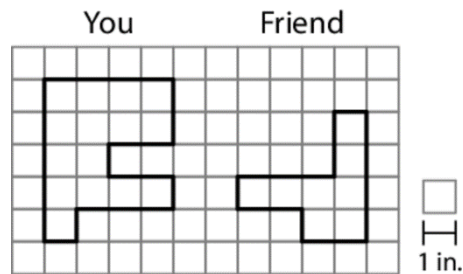
7. The dimensions of a rectangle are 3 meters by 6 meters. Which rectangle has the same perimeter, but a lesser area?

5 m
4 m

5 m
2 m

8 m
1 m

_____

8. The bottom length of the trapezoid is 4 centimeters. The right length is double the bottom. The top is 6 centimeters more than the bottom. The left length is 2 centimeters more than the right. Find the perimeter of the trapezoid.

_____
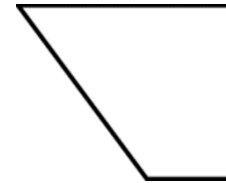
9. You want to put a fence around your rectangular pool. The length is 10 feet and the width is 5 feet. How many feet of fencing do you need?

_____

10. Each polygon has equal side lengths that are whole numbers. Which polygons could have a perimeter of 12 inches?

Hexagon   Triangle   Rhombus   Pentagon