Name _____ Date _____

Perimeter of Polygons: Side Lengths and Unknown Sides

Directions: Perimeter is the distance around a shape. Add up every side, and count each side once.

1. A square picture frame is 6 inches long on each side. What is the perimeter of the frame?

_____ inches

2. A garden is a rectangle 9 meters long and 4 meters wide. A fence goes all the way around it. How long is the fence?

_____ meters

3. Find the perimeter of a rectangular banner that is 5 feet long and 2 feet wide.

A. 7 feet B. 10 feet C. 14 feet D. 12 feet

4. A flower bed has five straight sides. The sides are 3 feet, 5 feet, 4 feet, 6 feet and 4 feet long. What is the perimeter of the flower bed?

_____ feet

5. The perimeter of a triangle is 25 cm. Two of its sides are 9 cm and 7 cm long. How long is the third side?

_____ cm

6. A rectangle has a perimeter of 28 cm. Each of its long sides is 8 cm. How long is each short side?

_____ cm

7. A rectangle is 8 cm long and 2 cm wide. Which rectangle has the same perimeter?

A. 6 cm long and 4 cm wide
B. 4 cm long and 4 cm wide
C. 8 cm long and 3 cm wide
D. 10 cm long and 2 cm wide

8. Mr. Chen wants to put paper trim around a bulletin board. The board is a rectangle 6 feet long and 3 feet wide. He already has 7 feet of trim. How many more feet of trim does he need?

_____ feet