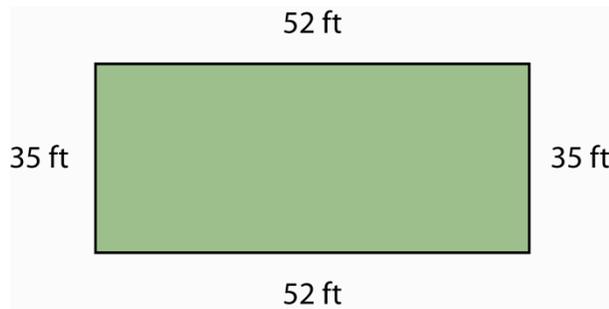


Computing the perimeter of plane figures: square, rectangle, triangle, and the circumference of a circle is finding the distance around the edges. It may be helpful to think about a fence when you think about perimeter or circumference. For circles, you need to know diameter and radius.

- **Diameter** is the distance of a line from one side of a circle, through the center, to the opposite side. (a line that runs completely through the center of a circle, from edge to edge). Diameter always equals 2 x the radius, or $\text{diameter}/2 = \text{radius}$.
- **Radius** is the distance of a line from the middle of a circle to the edge. Radius is always equal to $\frac{1}{2}$ diameter, or $\text{radius} \times 2 = \text{diameter}$.

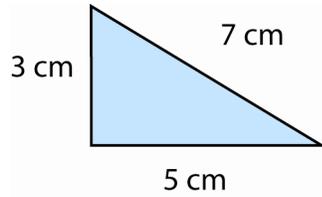
Select the best answer for the following questions and type it on the line provided.

1. A square has a side of 5 inches. What is the perimeter? _____
 - a. 10
 - b. 20
 - c. 25
 - d. 30



2. The Allen's are planning to fence in their garden, illustrated above. How many feet of fencing will they need? _____
 - a. 70 feet
 - b. 87 feet
 - c. 104 feet
 - d. 174 feet

3. Find the perimeter (P) of the triangle illustrated below. _____



- a. 8 cm
b. 15 cm
c. 35 cm
d. 105 cm
4. Find the circumference of a circle that has a diameter of 6 in. _____
- a. 9.42 in
b. 18.84 in
c. 18.6 in
d. 18.48 in
5. Which expression would be correct to compute the circumference of the circle with a radius of 2.5 inches? _____
- a. 3.14×2
b. 3.14×2.5
c. 3.14×4.5
d. $3.14 \times (2 \times 2.5)$
6. The perimeter of a rectangle is 24 feet. The length of the rectangle is 2 times the width. What is the width of the rectangle, in feet? _____
- a. 4 feet
b. 6 feet
c. 8 feet
d. 16 feet