PERIMETER AND AREA

Choose the correct options:

1. Kayla wants to build a fence in her backyard. The length of her backyard is 30 feet and the width is 45 feet. How many feet of fence will she need to buy?
   a. 75 feet
   b. 1350 square feet
   c. 1350 feet
   d. 150 feet

2. The area of a soccer field is 56 square yards. The length of one side of the field is 8 yards. What is the width of the field?
   a. 7 yards
   b. 7 square yards
   c. 48 yards
   d. 9 yards

3. Farmer John walks his pet pig around his barn every day. The barn is 25 meters by 12 meters. If we walks the pig around the barn three times, how many meters did farmer John and his pig walk?
   a. 300 meters
   b. 222 meters
   c. 74 meters
   d. 37 meters

4. If the area of a basketball court in 117 square feet and the width is 9 feet, what is the length?
   a. 13 feet
   b. 13 square feet
   c. 12 feet
   d. 12 square feet

5. Jenny's room is 13 feet long and 12 feet wide. Ruth's room is 14 feet long and 11 feet wide. Whose room has the greater perimeter?
   a. Jenny
   b. Ruth
   c. They are the same
   d. Cannot be determined

6. Compare these two rectangles.
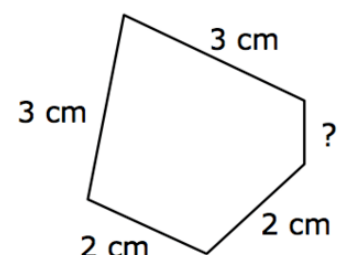A: 4 cm x 5 cm
B: 10 cm x 2 cm
   a. they have the same perimeter
   b. the widths are the same
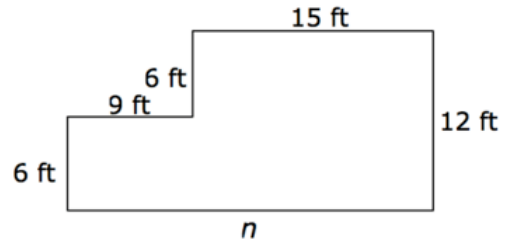   c. the side lengths are the same
   d. they have the same area

7. Henrik drew a pentagon that has a perimeter of 11 centimeters. What is the missing side length for this pentagon?
   a. 1 centimeter
   b. 3 centimeters
   c. 2 centimeters
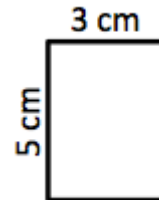   d. 4 centimeters

Nilanjana Bhadra

8. Stephen has a rectangular bedroom with a perimeter of 34 feet. The length of the bedroom is 9 feet. What is the width of Stephen's bedroom?
   a. 12 feet
   b. 8 feet
   c. 6 feet
   d. 18 feet

9. Laila's vegetable garden has a perimeter of 72 feet. What is n, the missing side length?
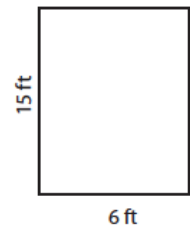   a. 72 feet
   b. 24 feet
   c. 12 feet
   d. 15 feet

10. A living room wall is 20 feet long, and 12 feet high. How area is to be covered by paint to cover one wall?
   a. 240feet ^{2}
   b. 32 feet ^{2}
   c. 64 feet ^{2}
   d. 40feet ^{2}

11. What is the area of the rectangle?
   a. 150 sq cm
   b. 15 cm^2
   c. 16 cm
   d. None of these

12. Find the area of the rectangle.
   a. 21 ft^2
   b. 180 f^{t2}
   c. 42 ft^2
   d. 90 ft^2

13. The distance around an object is called the
   a. Area
   b. Perimeter
   c. Diagonal
   d. Hypotenuse

14. Which of the following rectangles will have the largest area?
A: Length 8 cm Width 9 cm
B: Length 6 cm Width 2 cm
C: Length 12 cm Width 2 cm
D: Length 10 cm Width 5 cm
   a. A
   b. B
   c. C
   d. D

15. If a rectangle is 9 cm by 2 cm, what is its perimeter? What is its area?
   a. Perimeter: 22 cm   Area: 18 square cm
   b. Perimeter: 18 cm   Area: 22 square cm
   c. Perimeter: 18 cm   Area: 18 square cm
   d. Perimeter: 20 cm   Area: 22 square cm