

Grade 5 to 6 Summer Packet 2 (Geometry area perimeter)

Name:

Date:

Teacher: Burke

Instructions: Write the letter of the best answer on the line next to the question number.

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1. Choose the definition of a quadrilateral.

- A. a polygon with three sides C. a polygon with four sides
B. a polygon with six sides D. a polygon with five sides

2. Choose the definition of a parallelogram.

- A. a quadrilateral with one pair of parallel sides C. a quadrilateral with two pairs of parallel sides that meet at right angles
B. a quadrilateral with sides of equal length D. a quadrilateral with two pairs of parallel and equal sides

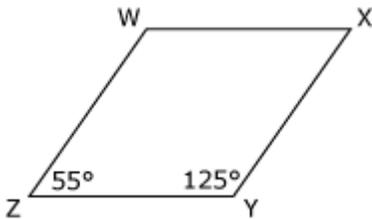
Properties of quadrilateral WXYZ are described below.

side is parallel and congruent to side

side is parallel and congruent to side

the measure of is 55°

3. the measure of is 125°

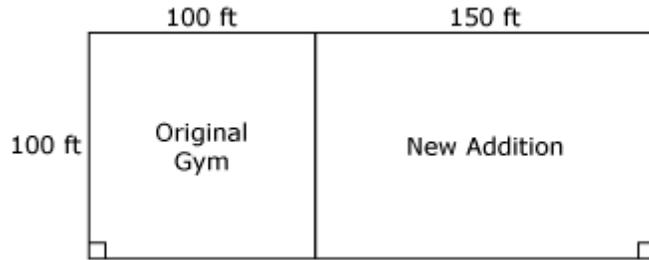


Which term describes quadrilateral WXYZ?

- A. parallelogram C. square
B. rectangle D. trapezoid

4. What is the area of a rectangle with a length of 55 feet and a width is 20 feet?
- A. 1,100 square feet C. 2,500 square feet
B. 550 square feet D. 5,000 square feet
E. none of these
5. Find the area a square with a side that measures 4.3 centimeters
- A. 36.98 square centimeters C. 18.49 square centimeters
B. 72 square centimeters D. 17.2 square centimeters
6. A rectangular board is 48 inches wide and 64 inches long. One half of the board is painted red and one half of the board is painted green. How many square inches (in^2) of the board are painted red?
- A. 56 in^2 C. 1,536 in^2
B. 768 in^2 D. 3,072 in^2
7. Two students are going to paint a mural on a wall. In order to purchase enough paint, they need to know the size of the wall they will be painting. The wall is rectangular with sides that are 32 feet by 8.25 feet. The size of the wall is
- A. 40.25 square feet. C. 264 square feet.
B. 80.5 square feet. D. 329 square feet.
8. A rectangular kitchen floor is to be tiled with square tiles. The square tiles have sides that are 1 foot long. The kitchen measures 12 feet by 15 feet. Exactly how many tiles will be needed to completely cover the floor?
- A. 27 tiles C. 108 tiles
B. 54 tiles D. 180 tiles

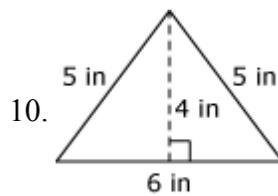
9. The gym at Blake's school will soon be enlarged. Both the original gym and the new addition, shown below, will get a new wood floor.



What is the total number of square feet (ft^2) of wood that will be needed to cover the floors of both the original gym and the new addition?

- A. 10,000 ft^2 C. 25,000 ft^2
B. 15,000 ft^2 D. 30,000 ft^2

A triangle is shown below.



What is the perimeter of the triangle?

- A. 12 in C. 20 in
B. 16 in D. 24 in

→ End of test ←