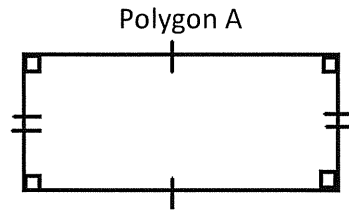


Name _____

Date _____

Grade 5/Unit 5 Post-Assessment: Measuring Polygons

1. Which quadrilateral best defines a shape with four congruent sides?
A. rectangle B. rhombus C. trapezoid D. parallelogram



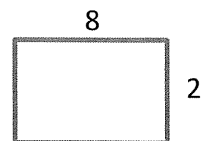
2. Polygon A can be called all of the names below, but one. Which one can *not* be used to describe the shape above?
A. quadrilateral B. parallelogram C. rectangle D. square

3. Which statement is true?
A. All rhombuses have four congruent sides, so a square is a rhombus.
B. A polygon is a closed figure with three or more curved or straight sides.
C. All parallelograms have two pairs of parallel sides, so a trapezoid is a parallelogram.
D. A polygon is a closed figure with three or more straight sides, so a circle is a polygon.

4. If two angles are put together and they fill the corner of a sheet of paper, what is the measure of each angle?
A. 30 degrees B. 45 degrees C. 60 degrees D. 90 degrees

5. If 3 equal angles are joined to make a right angle, what is the measure of each angle?
A. 30 degrees B. 45 degrees C. 60 degrees D. 90 degrees

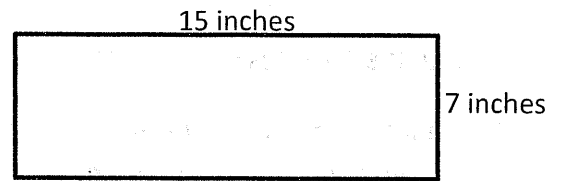
6. Which are the dimensions of a rectangle that has the same perimeter as this rectangle?
A. 3 x 6 B. 2 x 10 C. 1 x 9 D. 4 x 4



7. Which are the dimensions of a rectangle that has the same area as this rectangle?
A. 4 x 4 B. 1 x 9 C. 2 x 4 D. 8 x 4

8. What is the perimeter of this rectangle?

- A. 105 inches
- B. 37 inches
- C. 44 inches
- D. 22 inches



9. What is the area of the rectangle show in problem #8?

- A. 22 square inches
- B. 44 square inches
- C. 37 square inches
- D. 105 square inches

10. Which triangle is **not** similar to any of the others?

- A.
- B.
- C.
- D.

11. Which shape has an angle greater than 90 degrees?

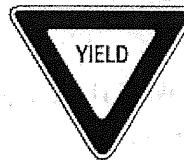
- A.
- B.
- C.
- D.

12. Which shape does **not** have two acute angles?

- A.
- B.
- C.
- D.

13. Mr. Wentz sees this sign while he is driving. Which best describes the sign?

- A. triangle; not a regular polygon
- B. triangle; regular polygon
- C. hexagon; not a regular polygon
- D. hexagon; regular polygon



14. What is the most number of obtuse angles that a triangle can have?

- A. 0
- B. 1
- C. 2
- D. 3

15. What kind of triangle has no congruent sides?

- A. equilateral
- B. isosceles
- C. scalene
- D. right

16. Nathan drew this triangle. Which of the following best classifies the triangle?

- A. scalene, acute
- B. scalene, obtuse
- C. isosceles, acute
- D. isosceles, obtuse



17. Ms. Dell decides to make a garden. She has to put a fence around it to keep out the rabbits. She has 24 feet of fencing. Using whole numbers, find as many different rectangles as you can that each have a perimeter of 24. Label the dimensions and the area of each rectangle.