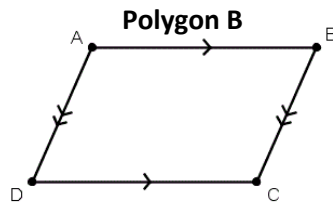


Grade 5/Unit 5 Pre-Assessment: Measuring Polygons

1. Which quadrilateral does **not** have 2 pairs of parallel sides?
 A. rectangle B. rhombus C. trapezoid D. parallelogram



2. Polygon B can be identified as 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. polygon

3. Which statement is true?

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

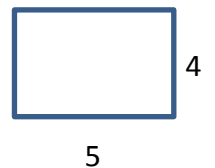
A. 30 degrees B. 45 degrees C. 60 degrees D. 90 degrees

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. 8 x 10

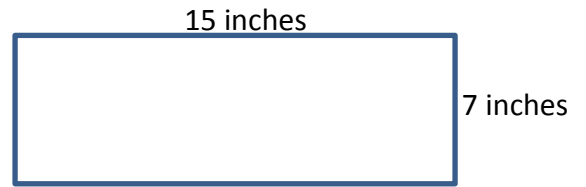
7. Which are the dimensions of a rectangle that has the same area as this rectangle?

A. 8 x 10 B. 3 x 6 C. 2 x 5 D. 2 x 10



8. What is the perimeter of this rectangle?

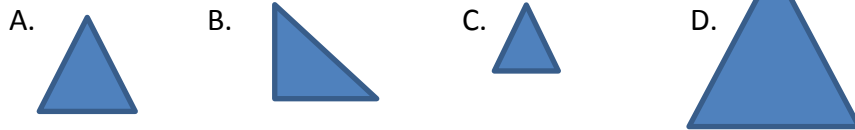
- A. 105 inches
- B. 37 inches
- C. 44 inches
- D. 22 inches



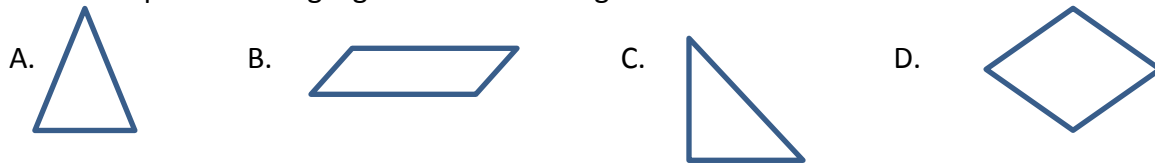
9. What is the area of the rectangle show in problem #8?

- A. 22 square inches
- B. 44 square inches
- C. 49 square inches
- D. 105 square inches

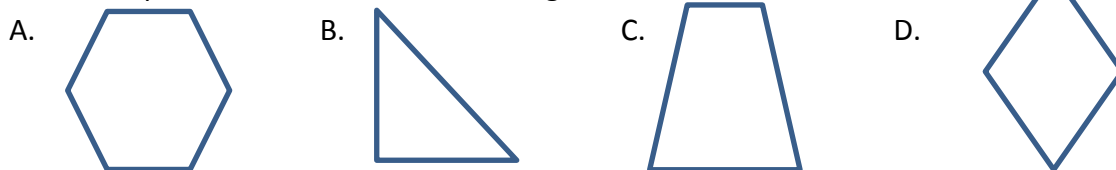
10. Which triangle is **not** similar to any of the others?



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



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



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

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



14. What is the least number of acute angles that a triangle can have?

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

15. What kind of triangle has exactly 2 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

