



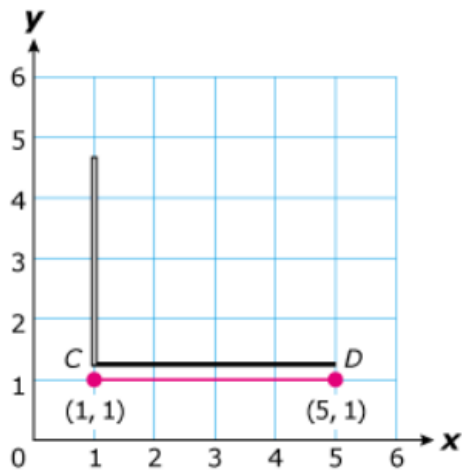
**SAMPLES OF STANDARDS STUDENTS ARE LEARNING THIS NINE WEEKS:**

**5<sup>th</sup> Grade Math**

**STANDARDS: 5.G.1, 5.G.2, 5.G.3, 5.G.4, 5.OA.3**

**5.G.1**

Peter drew a picture of a pole and its shadow on a grid as shown below.

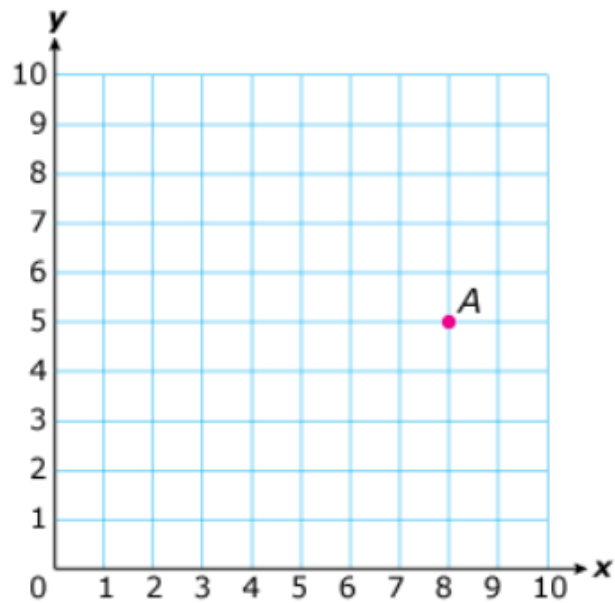


The length of the shadow is the same as the length of line segment  $CD$ . What is the length of the shadow?

- 3 units
- 4 units
- 5 units
- 6 units

5.G.2

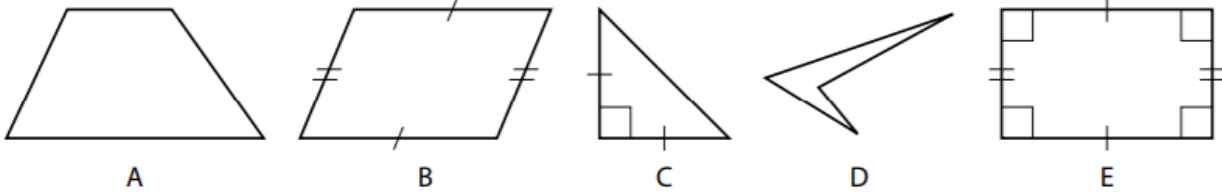
Which appears to be the location of point A on the coordinate grid?



- (4, 7)
- (5, 8)
- (7, 4)
- (8, 5)

5.G.3

Classify the shapes shown below. Sides that are the same length are marked with a slash. Write the letter of each shape in the category that describes it. Shapes may fall into more than one category. Not all shapes will be used.









At Least 1 Pair of Perpendicular Sides	At Least 2 Sides of Equal Length	At Least 1 Pair of Parallel Sides

**Correct Answer:**

At Least 1 Pair of Perpendicular Sides	At Least 2 Sides of Equal Length	At Least 1 Pair of Parallel Sides
C, E	B, C, E	A, B, E

## 5.G.4

### Classifying 2-Dimensional Shapes

Shape	Name of Shape	Properties
	Circle	- Curved edges - No angles
	Triangle	- 3 sides - 3 vertices - 3 angles
	Square	- 4 equal sides - 4 vertices - 4 right angles - 2 sets of parallel lines
	Rectangle	- 4 sides - 4 right angles - 4 vertices - 2 sets of parallel lines
	Trapezoid	- 1 set of parallel lines - 4 vertices - 4 angles - 4 sides
	Rhombus	- 4 sides - 4 angles - 4 vertices - 2 sets of parallel lines

Fill in the blanks to write true statements about the relationship between different types of triangles. Use the words in the box below. Answer choices may be used more than once.

always sometimes never

- An equilateral triangle is \_\_\_\_\_ an obtuse triangle.
- A right triangle is \_\_\_\_\_ an isosceles triangle.
- An equilateral triangle is \_\_\_\_\_ an isosceles triangle.
- An isosceles triangle is \_\_\_\_\_ a scalene triangle.
- An equilateral triangle is \_\_\_\_\_ an acute triangle.
- An obtuse triangle is \_\_\_\_\_ an acute triangle.

**Correct Answer:**

- a. never
- b. sometimes
- c. always
- d. never
- e. always
- f. never

### 5.0A.3

The population of a certain town increased by 25,000 every 5 years. The table shows the population from 1985 to 2000.

Population Growth

Year	Population
1985	100,000
1990	125,000
1995	150,000
2000	175,000

If the population continues to increase at the same rate, what will be the population of the town in 2010?

- 200,000
- 225,000
- 250,000
- 275,000

Look at the two patterns below.

Pattern A: 4, 8, 12, 16, 20, 24, . . .

Pattern B: 16, 32, 48, 64, 80, 96, . . .

Tell whether each statement about the patterns is *True* or *False*.

- a.** The rule for Pattern A is "multiply by 2."  True  False
- b.** Each term in Pattern A is 12 less than the corresponding term in Pattern B.  True  False
- c.** The rule for Pattern B is "add 16."  True  False
- d.** Each term in Pattern B is four times the corresponding term in Pattern A.  True  False

**Correct Answer:**

- a.** False  
**b.** False  
**c.** True  
**d.** True