

Unit 7: Shapes on the Coordinate Grid

CONCEPT · SET 2

Name: _____ Date: _____

Solve each problem and write your answer on the line. Write points as ordered pairs like (4, 6), include units when they are given, and answer shape questions with one word.

1. Maya starts at (0, 0) on her zoo map. She walks 4 units right, then 6 units up, and stops at the penguin pool. Write the penguin pool's location as an ordered pair.

Answer: _____

3. The camp flagpole is at (0, 5). Is this point on the x-axis or the y-axis?

Answer: _____

5. A ladybug sits at (6, 1) and crawls straight up to (6, 9). How many units did the ladybug crawl?

Answer: _____

7. Three corners of a rectangular splash pad are at (2, 1), (8, 1), and (2, 5). What is the fourth corner?

Answer: _____

9. Two angles of a triangle measure 40° and 65° . What is the measure of the third angle?

Answer: _____

11. A quadrilateral picnic blanket has three angles that measure 90° , 90° , and 100° . What is the measure of the fourth angle?

Answer: _____

2. A bird bath in the school garden is at (3, 9). The y-axis is the line where $x = 0$. How many units is the bird bath from the y-axis?

Answer: _____

4. Two lampposts in the park are at (2, 8) and (9, 8). How many units apart are they?

Answer: _____

6. A toy drone is hovering at (4, 7). It moves 3 units left and 2 units down. What is its new location?

Answer: _____

8. A road sign is shaped like a triangle with sides 5 cm, 5 cm, and 8 cm. Classify the triangle by its sides: equilateral, isosceles, or scalene.

Answer: _____

10. A sail on a toy boat is a triangle with angles 30° , 40° , and 110° . Classify the triangle by its angles: acute, right, or obtuse.

Answer: _____

12. A kite is a rhombus, so all 4 of its sides are equal. The perimeter is 36 cm. How long is one side?

Answer: _____