



# Coordinate Plane

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 5

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. A triangle has vertices at (1, 1), (5, 1), and (3, 5). The base along the bottom is \_\_\_\_\_ units long.
2. A pattern starts at (1, 2) and each point moves 2 units right. The third point is at ( \_\_\_\_\_ , 2).
3. Points are plotted at (1, 1), (2, 2), (3, 3), and (4, 4). The next point in the pattern is ( \_\_\_\_\_ , \_\_\_\_\_ ).
4. A path goes from (0, 0) to (3, 0) to (3, 4). The total distance traveled is \_\_\_\_\_ units.
5. A shape has corners at (2, 1), (6, 1), (6, 3), and (2, 3). This shape is a \_\_\_\_\_ .
6. Points at (1, 3), (3, 3), (5, 3), and (7, 3) all share the same \_\_\_\_\_ -coordinate.
7. A pattern starts at (0, 1) and moves 1 right and 2 up each step. The second point is at ( \_\_\_\_\_ , \_\_\_\_\_ ).
8. Using the same pattern, the third point is at ( \_\_\_\_\_ , \_\_\_\_\_ ).
9. A square on the grid has corners at (3, 2), (7, 2), (7, 6), and (3, 6). Its area is \_\_\_\_\_ square units.

## Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Points (1,2), (2,4), (3,6) follow the rule: $y =$ _____	→ _____	(4, 5) and (1, 5)
A horizontal line through $y = 5$ passes through _____	→ _____	square
Shape with 4 equal sides and 4 right angles	→ _____	(3, 0)
_____	→ _____	_____

## Answer Key · Coordinate Plane · Grade: Grade 5

### Part A: Fill in the Blank

Write the missing word or number on each line.

1. A triangle has vertices at (1, 1), (5, 1), and (3, 5). The base along the bottom is 4 units long.
2. A pattern starts at (1, 2) and each point moves 2 units right. The third point is at (5, 2).
3. Points are plotted at (1, 1), (2, 2), (3, 3), and (4, 4). The next point in the pattern is (5, 5, \_\_\_\_\_).
4. A path goes from (0, 0) to (3, 0) to (3, 4). The total distance traveled is 7 units.
5. A shape has corners at (2, 1), (6, 1), (6, 3), and (2, 3). This shape is a rectangle.
6. Points at (1, 3), (3, 3), (5, 3), and (7, 3) all share the same y-coordinate.
7. A pattern starts at (0, 1) and moves 1 right and 2 up each step. The second point is at (1, 3, \_\_\_\_\_).
8. Using the same pattern, the third point is at (2, 5, \_\_\_\_\_).
9. A square on the grid has corners at (3, 2), (7, 2), (7, 6), and (3, 6). Its area is 16 square units.

### Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Points (1,2), (2,4), (3,6) follow the rule: y = _____	→ <u>2 times x</u>	(4, 5) and (1, 5)
A horizontal line through y = 5 passes through _____	→ <u>(4, 5) and (1, 5)</u>	square
Shape with 4 equal sides and 4 right angles	→ <u>square</u>	(3, 0)
Point exactly halfway between (0, 0) and (6, 0)	→ <u>(3, 0)</u>	2 times x