

Coordinate Plane Patterns

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5th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. What is the distance between the points $(2, 3)$ and $(2, 7)$ on the coordinate plane?
2. If you plot the points $(1, 1)$, $(1, 2)$, $(1, 3)$, and $(1, 4)$, what shape do they form?

3. Circle the greater coordinate point: $(3, 4)$ or $(2, 5)$
4. If the first point is $(0, 0)$ and the second point is $(1, 1)$, what is the next point in the pattern if it continues diagonally? $(\underline{\quad}, \underline{\quad})$
5. The point $(4, 2)$ is to the right of the point $(3, 2)$.
 True False
6. What is the sum of the x-coordinates of the points $(3, 2)$ and $(5, 4)$?
7. Plot the points $(1, 2)$, $(2, 4)$, and $(3, 6)$. What pattern do they create?

8. Circle the point that lies higher: $(2, 3)$ or $(2, 5)$
9. What is the next coordinate point if the pattern is $(1, 1)$, $(2, 2)$, $(3, 3)$, $\underline{\quad}$?
10. The point $(0, -1)$ is below the x-axis.
 True False
11. What is the product of the y-coordinates of the points $(4, 3)$ and $(2, 5)$?
12. If a pattern starts at $(0, 0)$ and goes to $(1, 1)$, then $(2, 2)$, what would be the next point?

13. Which point is furthest left: $(1, 1)$, $(0, 2)$, or $(-1, 0)$?
14. What is the next point in the pattern: $(1, 2)$, $(2, 3)$, $(3, 4)$, $\underline{\quad}$?

15. The point (5, 0) is on the x-axis.

True False

Answer Key

1. 4 2. Vertical line 3. (3, 4) 4. 2, 2 5. True 6. 8 7. Straight line 8. (2, 5) 9. 4, 4 10. True 11. 15 12. (3, 3) 13. (-1, 0) 14. 4, 5 15. True