

Points, Lines, and Rays Geometry Practice

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4th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. What is the length of a line segment that is 15 cm long and a ray extends from one endpoint? Calculate the total distance covered if the ray extends 20 cm more.
2. If you have a line segment of 12 inches and you add another line segment of 8 inches, what is the total length?

3. Circle the correct definition: A line segment is ____ (1) infinite in both directions (2) has two endpoints (3) starts at a point and goes infinitely.
4. A ray begins at point A and goes through point B. If point A is at (2, 3) and point B is at (5, 3), what is the x-coordinate of point B? ____
5. A point has size and takes up space. (True/False)
 True False
6. Calculate the area of a rectangle that has a length of 10 cm and a width of 4 cm.
7. Sarah drew a line segment that is 9 cm long. If she cuts it in half, how long will each part be?

8. Circle the greater number: the length of a ray (infinity) or a line segment of 15 cm.
9. What type of geometric figure can be drawn with two endpoints?

10. A line extends infinitely in one direction. (True/False)
 True False
11. If a line segment measures 24 inches and you divide it into 3 equal parts, how long is each part?
12. There are 3 points on a line segment. If the distance between each point is 4 cm, what is the total distance between the first and last point?

13. Which has more points? A line or a ray?

14. If a ray starts at point C and goes towards point D, what is the starting point? ____

15. A line segment can be measured. (True/False)

True False

Answer Key

1. 35 2. 20 3. 2 4. 5 5. False 6. 40 7. 4.5 8. infinity 9. line segment 10. False 11. 8 12. 8 13. line 14. C 15. True