

How to Draw a Line Segment?

A. Choose the correct answer:

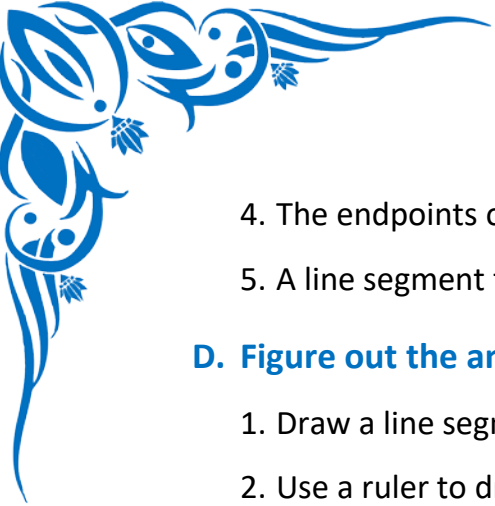
1. Which instrument is used to draw a straight line segment?
a) Compass b) Protractor
c) Ruler d) Divider
2. To draw a line segment of 6 cm, where should the pencil be placed first?
a) At 1 cm b) At 0 cm
c) At the edge d) Anywhere on the ruler
3. If you draw a line from 0 to 4.5 on a ruler, the length is
a) 3.5 cm b) 4.5 cm
c) 5 cm d) 4 cm
4. A line segment of 7 cm should start from 0 cm and end at
a) 6 cm b) 8 cm
c) 7 cm d) 9 cm
5. What do we call the two ends of a line segment?
a) Corners b) Ends
c) Points d) Endpoints

B. Write the Missing Terms to Complete the Sentences:

1. A ruler is used to draw a ____ line segment
2. We start drawing from ____ cm on the scale
3. A line segment from point A to B can be written as ____
4. The length of a line segment is the ____ between its endpoints
5. A 5 cm line segment ends at ____ cm if it starts at 0 cm

C. Mark each sentence with a True (✓) or False (X):

1. A ruler is used to draw line segments _____
2. We must start from the edge of the ruler _____
3. A line segment has fixed length _____



4. The endpoints of a line segment can be named with capital letters _____

5. A line segment from 0 to 7.5 is 7.5 cm long _____

D. Figure out the answers to these questions:

1. Draw a line segment AB of 5.5 cm and label it
2. Use a ruler to draw two line segments of 3 cm and 6 cm
3. Draw a line segment starting from 0 and ending at 8.4 cm
4. Draw and name three different line segments and write their lengths
5. If you start drawing a segment from 2 cm and end at 9 cm, what is its length?

E. Challenge yourself with these questions:

1. Draw a line segment CD of length 6.2 cm
2. Draw two line segments EF and GH such that $EF = 4$ cm and $GH = 6$ cm
3. How will you draw a line segment of 7 cm using a ruler?
4. Draw a rectangle and label each side as a line segment with its measurement
5. Measure and draw a line segment of length $3\frac{1}{2}$ cm and name it XY