

Line Segments and Measure

Use a ruler to measure the length of each line segment. Measure each segment in centimeters. Round your measurements to the nearest millimeter.

1) 

2) 

3) 

4) 

5) 

6) 

7) 

8) 

9) 

10) 

11) 

12) 

13) 

14) 

Use a ruler to measure the length of each line segment. Measure each segment in centimeters. Round your measurements to the nearest millimeter. Also state the maximum error and maximum percent of error in each measurement.

15) 

16) 

17) 

18) 

19) 

20) 

Critical thinking questions:

21) Jessica measures a line segment to the nearest millimeter. She calculates that her measurement has up to 0.2% error in it.

22) What is the minimum error and minimum percent error in Jessica's measurement?

What measurement did she find for the line segment?

Line Segments and Measure

Use a ruler to measure the length of each line segment. Measure each segment in centimeters. Round your measurements to the nearest millimeter.

1) 

3.2 cm

2) 

3.5 cm

3) 

3.9 cm

4) 

4.2 cm

5) 

4.5 cm

6) 

4.8 cm

7) 

5.2 cm

8) 

5.5 cm

9) 

13.7 cm

10) 

14 cm

11) 

14.4 cm


12) 


14.7 cm


13) 
15 cm


14) 
15.3 cm

Use a ruler to measure the length of each line segment. Measure each segment in centimeters. Round your measurements to the nearest millimeter. Also state the maximum error and maximum percent of error in each measurement.

15) 
1.7 cm, 0.05 cm, 2.9%

16) 
2 cm, 0.05 cm, 2.5%

17) 
2.3 cm, 0.05 cm, 2.2%

18) 
2.6 cm, 0.05 cm, 1.9%

19) 
17 cm, 0.05 cm, 0.3%

20) 
17.3 cm, 0.05 cm, 0.3%

Critical thinking questions:

21) Jessica measures a line segment to the nearest millimeter. She calculates that her measurement has up to 0.2% error in it.

What measurement did she find for the line segment?

25 cm

22) What is the minimum error and minimum percent error in Jessica's measurement?

0 cm error; 0% error