Name: ....   Class: ....
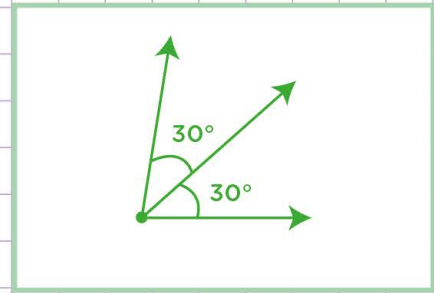
Find lengths and measures of bisected line segments and angles
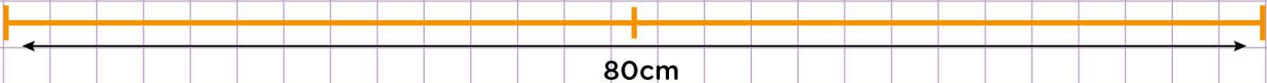
1. After bisecting a line measuring 12 centimeters, Linda has two line segments. What is the measure of each new line segment?
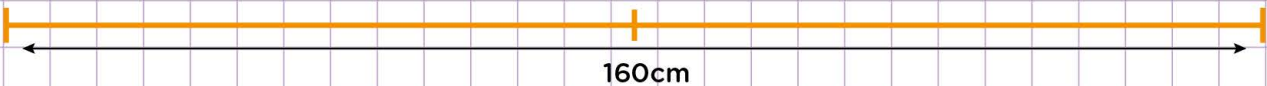
12cm

2. An angle is bisected, forming two new angles. Each angle has a measure of 30°. What was the measure of the original angle?
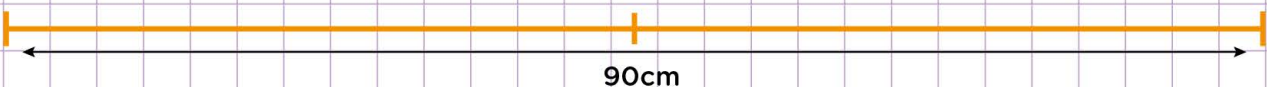
30°
30°

3. After bisecting a line measuring 80 centimeters, Louis has two line segments. What is the measure of each new line segment?

80cm

4. After bisecting a line measuring 160 centimeters, Josh has two line segments. What is the measure of each new line segment?

160cm

5. After bisecting a line measuring 90 centimeters, Leo has two line segments. What is the measure of each new line segment?

90cm

MP

Name: .... Class: ....

Find lengths and measures of bisected line segments and angles

1. After bisecting a line measuring 12 centimeters, Linda has two line segments. What is the measure of each new line segment?

12cm

▸ Bisecting a line segment means dividing the line into 2 equal line segments.
▸ The measure of the original line segment is 12cm. Divide by 2 to find each new smaller line segment.
▸ 12 ÷ 2 = 6

So, each new line segment measures **6cm.**

2. So, the original angle measured **60°.**

3. So, each new line segment measures **40cm.**

4. So, each new line segment measures **80cm.**

5. So, each new line segment measures **45cm.**