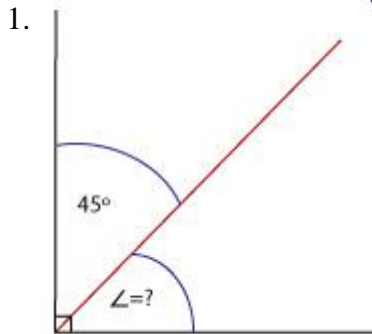


4.MD.7.TESTB1 Recognize angle measure as additive

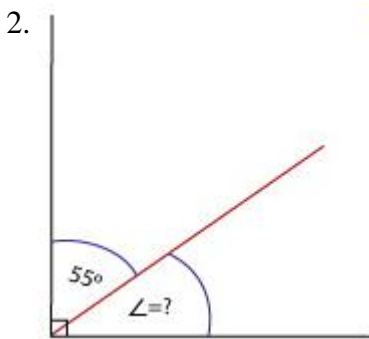
Multiple Choice

Identify the choice that best completes the statement or answers the question.



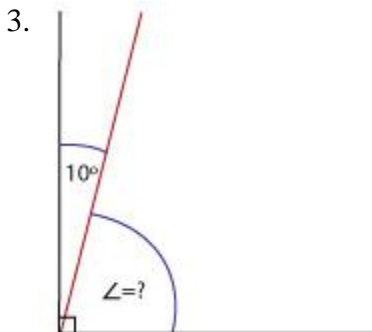
Study the angles. The measure of the unknown angle is: _____

- a. 30 degrees
- b. 90 degrees
- c. 45 degrees
- d. 50 degrees



Study the angles. The measure of the unknown angle is: _____

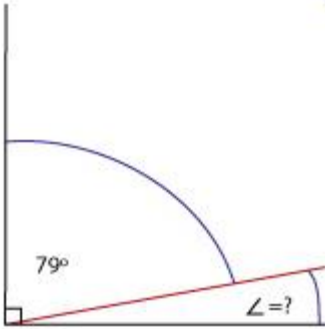
- a. 55 degrees
- b. 45 degrees
- c. 25 degrees
- d. 35 degrees



Study the angles. The measure of the unknown angle is: _____

- a. 90 degrees
- b. 80 degrees
- c. 85 degrees
- d. 75 degrees

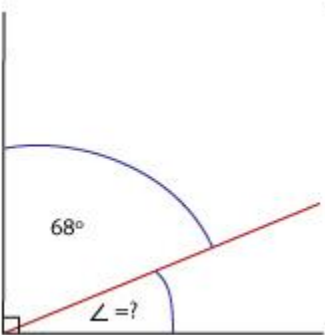
4.



Study the angles. The measure of the unknown angle is: _____

- a. 12 degrees
- b. 11 degrees
- c. 10 degrees
- d. 9 degrees

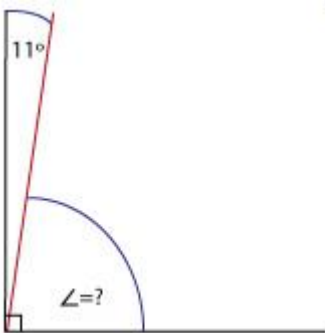
5.



Study the angles. The measure of the unknown angle is: _____

- a. 22 degrees
- b. 15 degrees
- c. 12 degrees
- d. it is impossible to determine the measure of the unknown angle from this diagram.

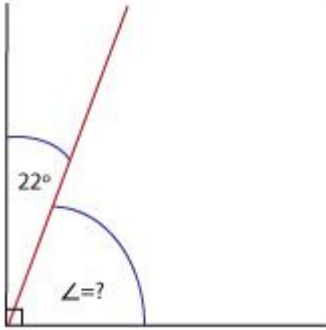
6.



Study the angles. The measure of the unknown angle is: _____

- a. 90 degrees
- b. 69 degrees
- c. 89 degrees
- d. 79 degrees

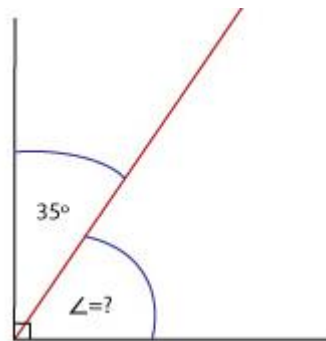
7.



Study the angles. The measure of the unknown angle is: _____

- a. 78 degrees
- b. 68 degrees
- c. 58 degrees
- d. 90 degrees

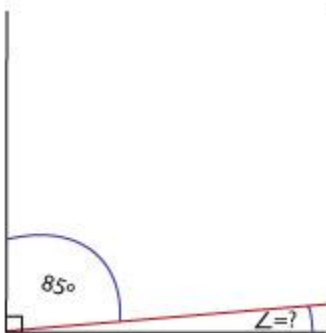
8.



Study the angles. The measure of the unknown angle is: _____

- a. 65 degrees
- b. 30 degrees
- c. 55 degrees
- d. 60 degrees

9.

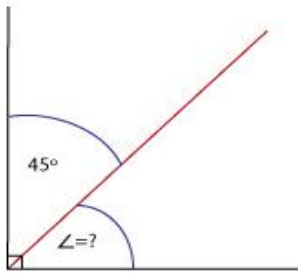


Study the angles. The measure of the unknown angle is: _____

- a. 15 degrees
- b. 8 degrees
- c. 10 degrees
- d. 5 degrees

Answer 1: C

Angle measure is additive. When an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of the angle measures of the parts.



The 90 degree angle drawn above is divided into two smaller angles. Since the measure of the right angle is 90 degrees, and one of the smaller angles measures 45 degrees, the unknown angle also measures 45 degrees. $45 + 45 = 90$

Answer 2: D

Answer 3: B

Answer 4: B

Answer 5: A

Answer 6: D

Answer 7: B

Answer 8: C

Answer 9: D