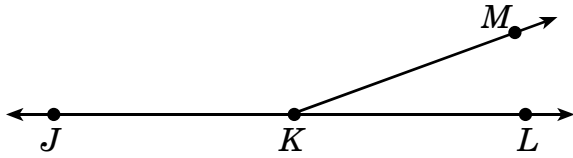


1. What is the **approximate** measure of  $\angle JKM$ ?



- A  $20^\circ$   
B  $70^\circ$   
C  $110^\circ$   
D  $160^\circ$
2. Tanya is drawing a circle with the opening of the compass set at 3 inches. How can she find the diameter of her circle?
- A She can use the compass setting as the diameter.  
B She can multiply 3 inches by 2.  
C She can add 3 inches to 2 inches.  
D She can divide 3 inches by 2.

3. Mr. Potter's farm is a rectangle that is 100 meters wide and 300 meters long. If he separates the land into two congruent triangles, what will be the area of each triangle?

- A  $1,500 \text{ m}^2$   
B  $3,000 \text{ m}^2$   
C  $15,000 \text{ m}^2$   
D  $30,000 \text{ m}^2$

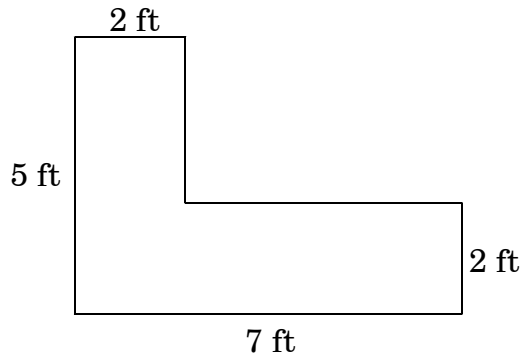
4. The diameter of a jar lid is 5.4 cm. What is the **approximate** area of the top of the lid?

- A  $9 \text{ cm}^2$   
B  $17 \text{ cm}^2$   
C  $23 \text{ cm}^2$   
D  $92 \text{ cm}^2$

5. The radius of a circular garden is 15 feet. **About** how much fencing will be needed to go around the outer edge of the garden?

- A 707 feet  
B 94 feet  
C 47 feet  
D 24 feet

6. The sidewalk from the driveway to Cameron's house has the dimensions shown below.



What is the perimeter of the sidewalk?

- A 35 ft
- B 24 ft
- C 21 ft
- D 20 ft

### End of Goal 2 Sample Items

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## Answers to EOG Grade 6 Math Sample Items

### Goal 2

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**1. Objective 2.01**

Estimate and measure length, perimeter, area, angles, weight, and mass of two- and three-dimensional figures, using appropriate tools.

**Thinking Skill:** Organizing      **Correct Answer:** D

**2. Objective 2.01**

Estimate and measure length, perimeter, area, angles, weight, and mass of two- and three-dimensional figures, using appropriate tools.

**Thinking Skill:** Analyzing      **Correct Answer:** B

**3. Objective 2.02**

Solve problems involving perimeter/circumference and area of plane figures.

**Thinking Skill:** Applying      **Correct Answer:** C

**4. Objective 2.02**

Solve problems involving perimeter/circumference and area of plane figures.

**Thinking Skill:** Applying      **Correct Answer:** C

**5. Objective 2.02**

Solve problems involving perimeter/circumference and area of plane figures.

**Thinking Skill:** Applying      **Correct Answer:** B

**6. Objective 2.02**

Solve problems involving perimeter/circumference and area of plane figures.

**Thinking Skill:** Applying      **Correct Answer:** B