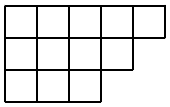
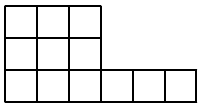
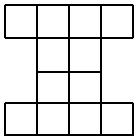
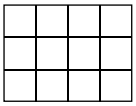
1. The figures below are made of squares. Which figure has the smallest perimeter?

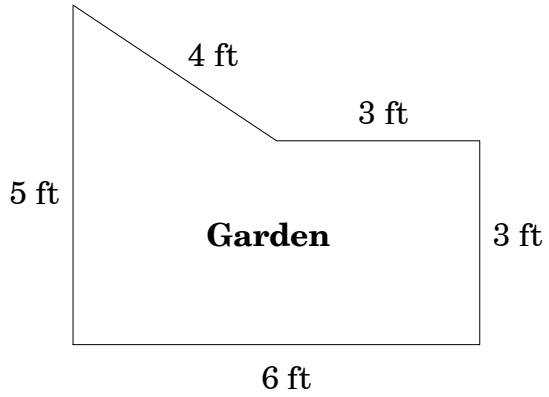
A 

B 

C 

D 

2. Mrs. Banner wants to put a fence around her garden.



Which expression shows how Mrs. Banner can decide the number of feet of fence to buy?

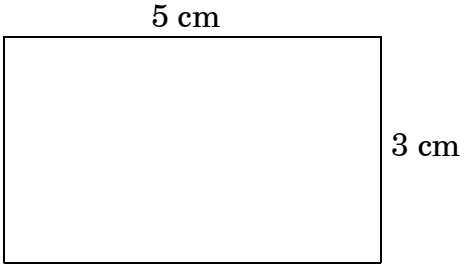
A (3×6) feet

B (5×6) feet

C $(5 + 6 + 3 + 4)$ feet

D $(5 + 6 + 3 + 3 + 4)$ feet

3. What is the perimeter of this rectangle?



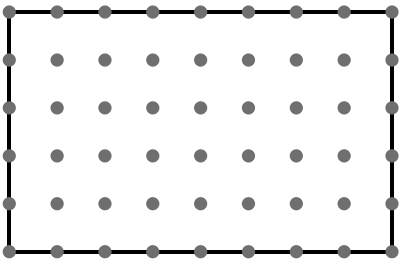
A 8 cm

B 15 cm

C 16 cm

D 53 cm

4. The length of one of the sides of the rectangle is 5 units.



What is the perimeter of the rectangle?

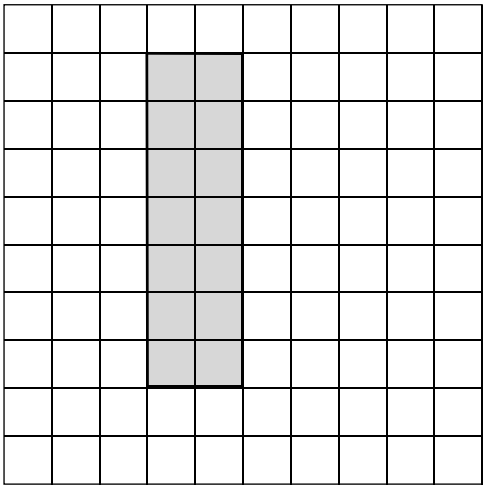
A 13 units

B 16 units

C 26 units

D 40 units

5. What is the area of the shaded rectangle?



A 10 square units

B 14 square units

C 16 square units

D 18 square units

6. Quinn walked all the way around the edge of a rectangular field that is 85 feet long. If Quinn walked 296 feet, how wide is the field?

A 63 feet

B 105 feet

C 126 feet

D 211 feet

7. Kevin will buy fencing to build a rectangular dog pen. The pen will be 23 ft long and 19 ft wide. How much fencing does Kevin need to build the pen?

A 437 ft

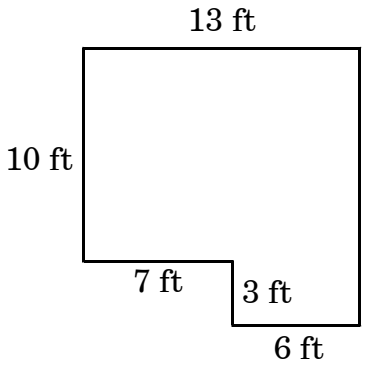
B 84 ft

C 73 ft

D 42 ft

8. Kristie made a drawing of her bedroom but forgot to fill in one of the measurements.

Kristie's Bedroom



What is the perimeter of the room?

A 29 feet

B 39 feet

C 52 feet

D 130 feet

9. Which has the ***smallest*** area?

A a rectangle 9 inches × 4 inches

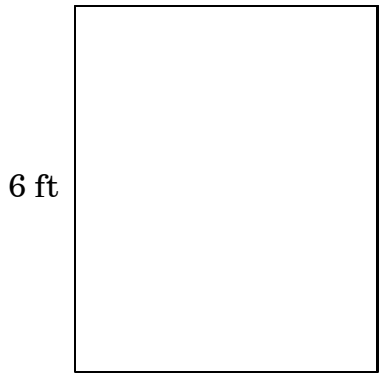
B a square 12 inches × 1 foot

C a rectangle 1 foot × 3 feet

D a square 1 yard × 1 yard

10. Donny wants to put carpet on the floor of his tree house.

Tree House Floor



He bought 35 sq ft of old carpet at a garage sale. How could Donny figure out if he has enough carpet to cover the floor of his tree house?

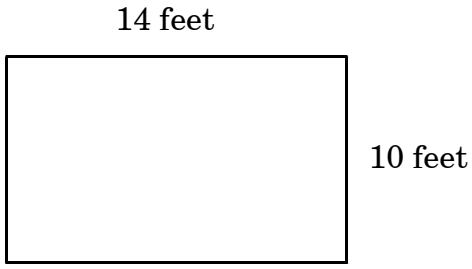
A compare $(5 \text{ ft} + 6 \text{ ft})$ to 35 sq ft

B compare $(5 \text{ ft} \times 6 \text{ ft})$ to 35 sq ft

C compare $(5 \text{ ft} + 6 \text{ ft} + 5 \text{ ft} + 6 \text{ ft})$ to 35 sq ft

D compare $(5 \text{ ft} \times 6 \text{ ft} \times 5 \text{ ft} \times 6 \text{ ft})$ to 35 sq ft

11. Kevin's bedroom is 14 feet long and 10 feet wide.



His bathroom is $\frac{1}{2}$ the length and $\frac{1}{2}$ the width of his bedroom. How do the areas of these two rooms compare?

A His bedroom area is 4 times the area of his bathroom.

B His bedroom area is twice the area of his bathroom.

C His bedroom area is $\frac{1}{2}$ the area of his bathroom.

D His bedroom area is $\frac{1}{4}$ the area of his bathroom.

End of Goal 2 Sample Items

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Gr04 Math Goal 2
Sample Items Key Report

1 **Objective:** **2.01**
Develop strategies to determine the area of rectangles and the perimeter of plane figures.
Thinking Skill: Applying **Correct Answer:** D

2 **Objective:** **2.01**
Develop strategies to determine the area of rectangles and the perimeter of plane figures.
Thinking Skill: Applying **Correct Answer:** D

3 **Objective:** **2.01**
Develop strategies to determine the area of rectangles and the perimeter of plane figures.
Thinking Skill: Applying **Correct Answer:** C

4 **Objective:** **2.01**
Develop strategies to determine the area of rectangles and the perimeter of plane figures.
Thinking Skill: Applying **Correct Answer:** C

5 **Objective:** **2.01**
Develop strategies to determine the area of rectangles and the perimeter of plane figures.
Thinking Skill: Applying **Correct Answer:** B

6 **Objective:** **2.02**
Solve problems involving perimeter of plane figures and areas of rectangles.
Thinking Skill: Analyzing **Correct Answer:** A

7 **Objective:** **2.02**
Solve problems involving perimeter of plane figures and areas of rectangles.
Thinking Skill: Applying **Correct Answer:** B

8 **Objective:** **2.02**
Solve problems involving perimeter of plane figures and areas of rectangles.
Thinking Skill: Analyzing **Correct Answer:** C

9 **Objective:** **2.02**
Solve problems involving perimeter of plane figures and areas of rectangles.
Thinking Skill: Analyzing **Correct Answer:** A

10 **Objective:** **2.02**
Solve problems involving perimeter of plane figures and areas of rectangles.

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

11 **Objective: 2.02**
Solve problems involving perimeter of plane figures and areas of rectangles.
Thinking Skill: Analyzing **Correct Answer:** A