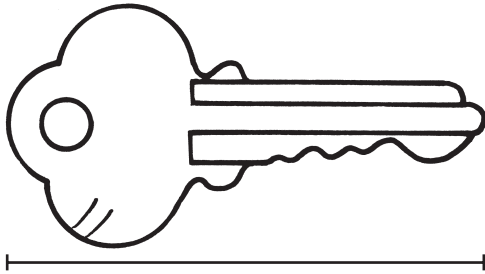
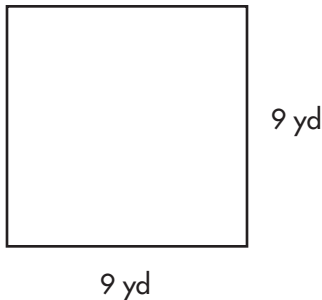


Mark the best answer.

1. Use a ruler to measure. How many inches long is the key? (13-1)

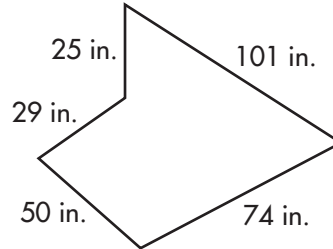


- A  $2\frac{1}{2}$  inches  
 B  $2\frac{3}{8}$  inches  
 C  $2\frac{1}{4}$  inches  
 D  $2\frac{3}{4}$  inches
2. Below are the dimensions for the new sandbox at the park. What is the area for the sandbox? (13-5)



- A  $18 \text{ yd}^2$   
 B  $18 \text{ yd}$   
 C  $81 \text{ yd}$   
 D  $81 \text{ yd}^2$

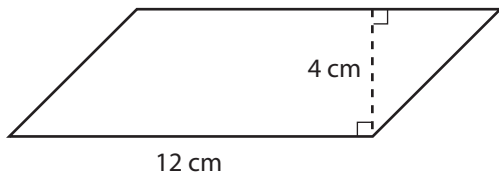
3. Joey made a fort with the following measurements. What is the perimeter of Joey's fort? (13-3)



- A  $186 \text{ in.}$   
 B  $186 \text{ in}^2$   
 C  $279 \text{ in.}$   
 D  $279 \text{ in}^2$
4. Sandra is making a vegetable garden using 24 feet of fencing. She wants to make sure it encloses the greatest possible area. What dimension should she use? (13-7)

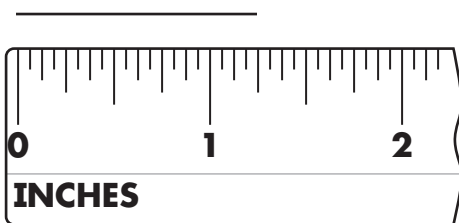
- A  $P = (12 \times 2) + (2 \times 2)$   
 B  $P = (6 \times 2) + (4 \times 2)$   
 C  $P = (24 \times 2) + (1 \times 2)$   
 D  $P = (8 \times 2) + (3 \times 2)$

5. Find the area of the parallelogram. (13-5)



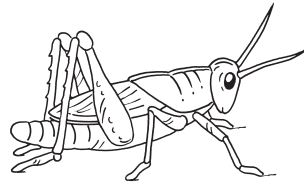
- A  $48 \text{ cm}^2$
- B  $24 \text{ cm}^2$
- C  $32 \text{ cm}^2$
- D  $16 \text{ cm}^2$

6. What is the length of this line segment in inches? (13-1)



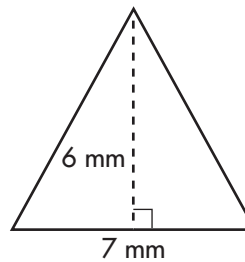
- A 1 inch
- B  $1\frac{1}{4}$  inches
- C  $1\frac{3}{4}$  inches
- D 2 inches

7. Use a ruler to measure. Which is closest to the length of the grasshopper? (13-2)



- A 3 cm
- B 4 cm
- C 5 cm
- D 6 cm

8. Find the area of the triangle. (13-6)



- A  $21 \text{ mm}^2$
- B 21 mm
- C 42 mm
- D  $42 \text{ mm}^2$

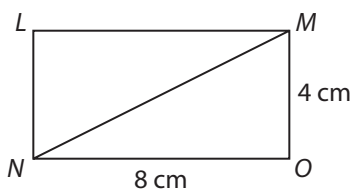
**9.** A rectangular bulletin board is 8 feet long and 4 feet high. Ms. Jones wants to cover it in shiny fabric to display artwork. How many square feet of fabric does she need? (13-4)

- A** 24 ft<sup>2</sup>
- B** 36 ft<sup>2</sup>
- C** 32 ft<sup>2</sup>
- D** 48 ft<sup>2</sup>

**10.** What is the area of an isosceles triangle with a height of 5 feet and a base measuring 4 feet? (13-6)

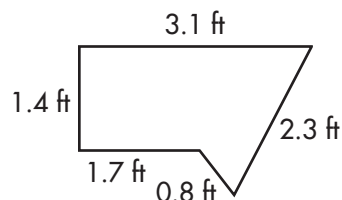
- A** 10 ft<sup>2</sup>
- B** 20 ft<sup>2</sup>
- C** 30 ft<sup>2</sup>
- D** 100 ft<sup>2</sup>

**11.** Figure *LMON* is a rectangle. Which of the following can be used to find the area of triangle *MNO*? (13-6)



- A**  $(8 \times 2) + (4 \times 2)$
- B**  $\frac{1}{2}(8 \times 2) + (4 \times 2)$
- C**  $\frac{1}{2}(8 \times 4)$
- D**  $\frac{1}{2}(8 + 4)$

**12.** Below are the measurements for the pig pen on Marcus' farm. What is the perimeter of the pig pen? (13-3)



- A** 8.5 ft<sup>2</sup>
- B** 8.5 ft
- C** 9.3 ft<sup>2</sup>
- D** 9.3 ft

**13.** Which of the following can be used to find the area in square feet of a parallelogram whose base measures 12 feet and height measures 7 feet? (13-5)

- A**  $A = 12 \times 7$
- B**  $A = 12 + 7$
- C**  $A = \frac{1}{2}(12 \times 7)$
- D**  $A = (12 \times 2) + (7 \times 2)$