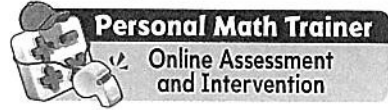
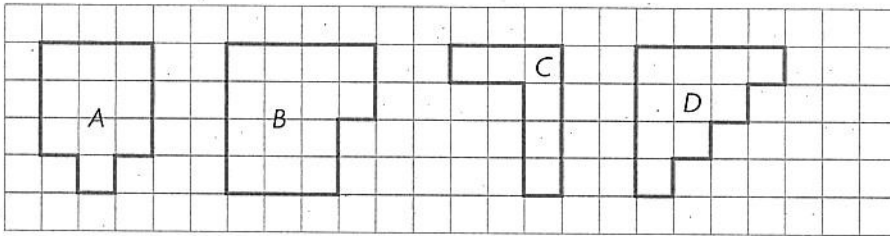


Chapter 11 Review/Test

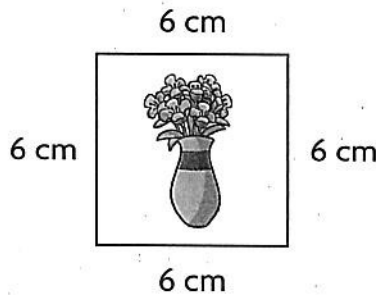


1. Find the perimeter of each figure on the grid. Identify the figure that have a perimeter of 14 units. Mark all that apply.



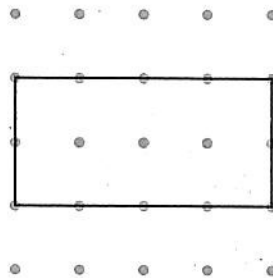
- (A) (B) (C) (D)

2. Kim wants to put trim around a picture she drew. How many centimeters of trim does Kim need for the perimeter of the picture?



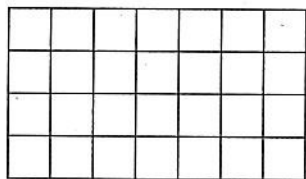
_____ centimeters

3. Sophia drew this rectangle on dot paper. What is the area of the rectangle?



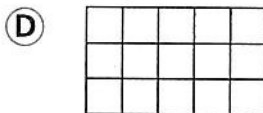
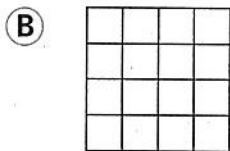
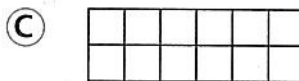
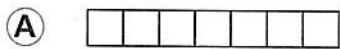
_____ square units

4. The drawing shows Seth's plan for a fort in his backyard. Each unit square is 1 square foot.

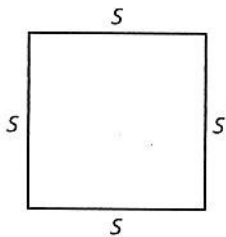


Which equations can Seth use to find the area of the fort? Mark all that apply.

- (A) $4 + 4 + 4 + 4 = 16$ (D) $4 \times 4 = 16$
 (B) $7 + 4 + 7 + 4 = 22$ (E) $7 \times 7 = 49$
 (C) $7 + 7 + 7 + 7 = 28$ (F) $4 \times 7 = 28$
5. Which rectangle has a number of square units for its area equal to the number of units of its perimeter?



6. Vanessa uses a ruler to draw a square. The perimeter of the square is 12 centimeters. Select a number to complete the sentence.

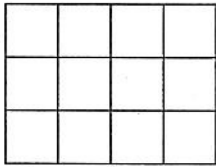


The square has a side length of 3
4
5
6 centimeters.

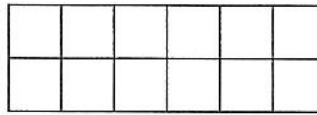
Name _____

7. Tomas drew two rectangles on grid paper.

Circle the words that make the sentence true.



A



B

Rectangle A has an area that is

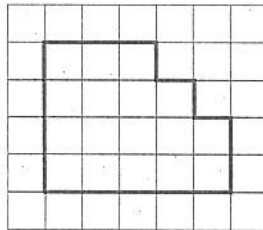
less than
the same as
greater than

the area of Rectangle B, and a perimeter that is

less than
the same as
greater than

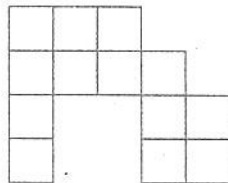
the perimeter of Rectangle B.

8. Yuji drew this figure on grid paper. What is the perimeter of the figure?



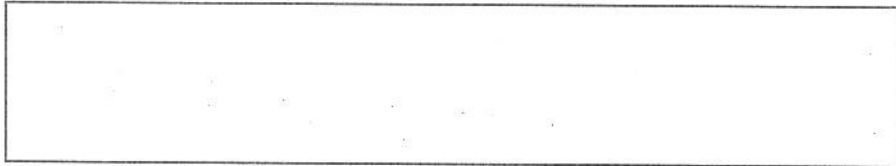
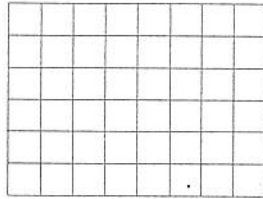
_____ units

9. What is the area of the figure shown? Each unit square is 1 square meter.

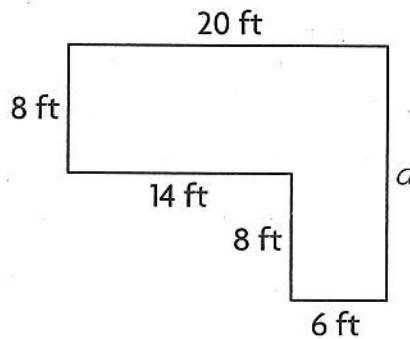


_____ square meters

10. Shawn drew a rectangle that was 2 units wide and 6 units long. Draw a different rectangle that has the same perimeter but a different area.



11. Mrs. Rios put a wallpaper border around the room shown below. She used 72 feet of wallpaper border. What is the unknown side length? Show your work.

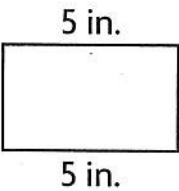
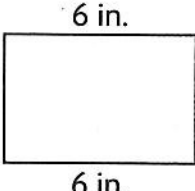
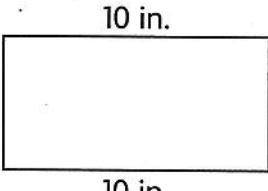



_____ feet

12. Elizabeth has two gardens in her yard. The first garden is 8 feet long and 6 feet wide. The second garden is half the length of the first garden. The area of the second garden is twice the area of the first garden. For numbers 12a–12d, select True or False.
- 12a. The area of the first garden is 48 square feet. True False
- 12b. The area of the second garden is 24 square feet. True False
- 12c. The width of the second garden is 12 feet. True False
- 12d. The width of the second garden is 24 feet. True False

Name _____

13. Marcus bought some postcards. Each postcard had a perimeter of 16 inches. Which could be one of the postcards Marcus bought? Mark all that apply.

(A)  (B)  (C)  (D) 

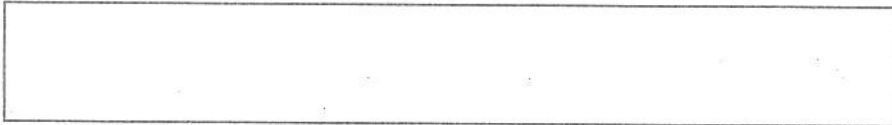
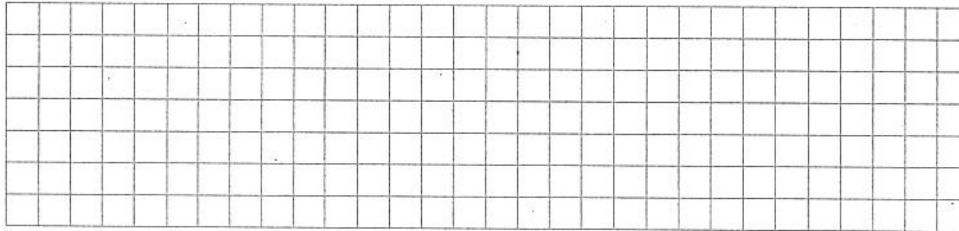
Personal Math Trainer



14. **THINK SMARTER +** Anthony wants to make two different rectangular flowerbeds, each with an area of 24 square feet. He will build a wooden frame around each flowerbed. The flowerbeds will have side lengths that are whole numbers.

Part A

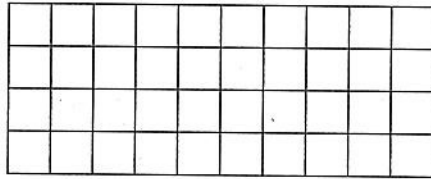
Each unit square on the grid below is 1 square foot. Draw two possible flowerbeds. Label each with a letter.



Part B

Which of the flowerbeds will take more wood to frame? Explain how you know.

15. Keisha draws a sketch of her living room on grid paper. Each unit square is 1 square meter. Write and solve a multiplication equation that can be used to find the area of the living room in square meters.



_____ square meters

16. **GO DEEPER** Mr. Wicks designs houses. He uses grid paper to plan a new house design. The kitchen will have an area between 70 square feet and 85 square feet. The pantry will have an area between 4 square feet and 15 square feet. Draw and label a diagram to show what Mr. Wicks could design. Explain how to find the total area.

