

Name _____ Date _____

Perimeter-Area Puzzles

Use square-inch tiles to measure the area for each shape. Use a ruler to measure the perimeter. Record your measurements on the data table at the bottom of the next page.

A.

B.

C.

D.

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Perimeter-Area Puzzles (SAB pp. 11-12)

Shape	Perimeter in Inches	Area in Sq. Inches
A	16	8
B	12	6
C	16	7
D	10	6
E	16	7
F	12	5
G	12	9

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E.

F.

G.

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Shape	Perimeter in Inches	Area in Square Inches
A		
B		
C		
D		
E		
F		
G		

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Measuring Area and Perimeter

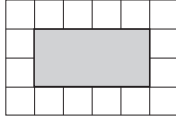
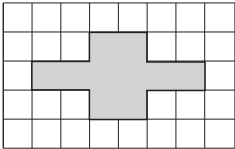
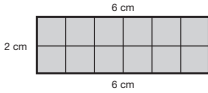
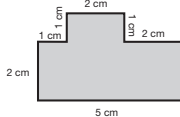
Questions 1–8 (SAB pp. 13–15)

1. Perimeter: 12 cm
Area: 8 square cm
2. Perimeter: 18 cm
Area: 10 square cm
3. Perimeter: 16 cm
Area: 12 square cm
4. Perimeter: 16 cm
Area: 12 square cm
5. Area: 8 square inches. Perimeter will vary; largest possible perimeter is 18 inches; smallest possible is 12 inches.
6. Area: 12 square cm
Perimeter: 16 cm
7. Area: 8 square inches. The only possible rectangles are 8×1 , perimeter 18 inches; and 4×2 , perimeter 12 inches.
8. The area is the same; the perimeter is different.

Name _____ Date _____

Measuring Area and Perimeter

Look at the shapes in Questions 1–4. Use the information you are given to find the perimeter and area of each shape.

1.  Perimeter: _____
Area: _____
2.  Perimeter: _____
Area: _____
3.  Perimeter: _____
Area: _____
4.  Perimeter: _____
Area: _____

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✓ **Check-In: Questions 5–8**

5. Use 8 square-inch tiles to make and draw a shape that is not a rectangle. Put the tiles together edge to edge. Find the area and perimeter.

edge to edge

not edge to edge




Area: _____

Perimeter: _____

6. Find the area and the perimeter of the shape below. Draw the lines in if it helps you.

1 sq cm

1 cm



Area: _____

Perimeter: _____

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7. Use 8 square-inch tiles to make and draw a rectangular shape. Put the tiles together edge to edge. Find the area and perimeter.

Area: _____

Perimeter: _____

8. Compare the two shapes you made in Questions 5 and 6. What is the same? What is different?

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Measuring Area and Perimeter Check-In: Questions 5–8 Feedback Box

	Expectation	Check In	Comments
Make shapes with a given area. [Q# 5 and 7]	5		
Find the perimeter: • of a rectangle. [Q# 7] • of an irregular shape. [Q# 5 and 6]	6		
Find the area: • of a rectangle. [Q# 7] • of an irregular shape. [Q# 5 and 6]	7		


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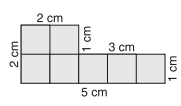


Dear Family Member:

Your child has been learning to find the perimeter and area of shapes. In this assignment, help your child find the perimeter by adding the measurements marked around the sides of the shape or by using the grid. The area can be found by counting the number of square centimeters that would fit inside the shape.


1. Calculate the perimeter of each shape. Write number sentences to show how you found the perimeters.

A.



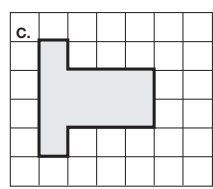
Perimeter: _____

B.



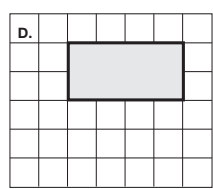
Perimeter: _____

C.



Perimeter: _____

D.



Perimeter: _____

2. After you have found the perimeter of each shape, find the area for each. Write the area inside the shape. What label will you use?

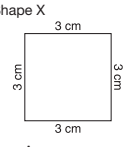
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3. Find the area and perimeter for Shapes X and Y.

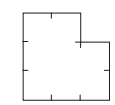
Shape X



Area: _____

Perimeter: _____

Shape Y



Area: _____

Perimeter: _____

Compare Shape X and Shape Y. What is different and what is the same?

4. Make and draw a shape that is not a rectangle and has an area of 7 square inches. What is the perimeter of your shape? _____

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Homework

Questions 1–5 (SAB pp. 16–18)

1–2. **A.** Perimeter: 14 cm Area: 7 square cm
 $2 + 2 + 1 + 3 + 1 + 5 = 14$ cm

B. Perimeter: 14 cm Area: 6 square cm
 $6 + 6 + 1 + 1 = 14$

C. Perimeter: 16 cm Area: 10 square cm
 $1 + 1 + 3 + 2 + 3 + 1 + 1 + 4 = 16$

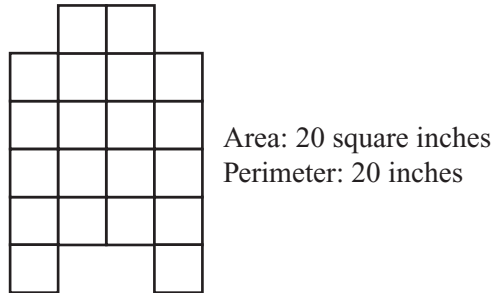
D. Perimeter: 12 cm Area: 8 sq. cm
 $4 + 2 + 4 + 2 = 12$

3. **Shape X** **Shape Y**
 Area: 9 sq. cm Area: 8 sq. cm
 Perimeter: 12 cm Perimeter: 12 cm
 Shapes X and Y have the same perimeter but Shape Y has a smaller area.

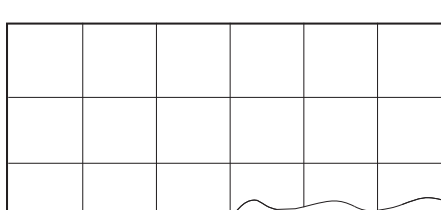
4. Possible response:



5. Possible response:



5. Draw a shape with an area of 20 square inches and a perimeter of at least 18 inches.



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