



Area, Perimeter and Shapes

Measure, multiply, and name the shape!



Name: _____

Date: _____

1. Count the Squares

Each ■ is 1 square inch. Count the rows and the squares in each row. Then write the area.

a)



___ rows × ___ squares in each row = ___ square inches

b)



___ rows × ___ squares in each row = ___ square inches

c)



___ rows × ___ squares in each row = ___ square inches

d)



___ rows × ___ squares in each row = ___ square inches

2. Area and Perimeter

Area is the number of square units inside a shape. Perimeter is the distance around a shape. Find both.

Example: A garden is 5 feet wide and 8 feet long.

Area: $5 \times 8 = 40$ square feet. Perimeter: $5 + 8 + 5 + 8 = 26$ feet.

- 1) A beach towel is 3 feet wide and 5 feet long.

Area: _____ = _____ square _____

Perimeter: _____ + _____ + _____ = _____

- 2) A fish tank mat is 4 feet wide and 7 feet long.

Area: _____ = _____ square _____

Perimeter: _____ + _____ = _____

- 3) A sandbox is a square. Each side is 6 feet long.

Area: _____ = _____ square _____

Perimeter: _____ + _____ + _____ = _____

- 4) A picture frame is 8 inches wide and 10 inches long.

Area: _____ = _____ square _____

Perimeter: _____ + _____ = _____

- 5) An ocean sticker is 2 inches wide and 9 inches long.

Area: _____ = _____ square _____

Perimeter: _____ + _____ + _____ = _____



3. Quadrilaterals



A quadrilateral has 4 sides. Read each clue. Circle yes or no, or fill in the blank.

- a) A shape has 4 equal sides. Is it a quadrilateral? Circle one: yes no
- b) A triangle has 3 sides. Is a triangle a quadrilateral? Circle one: yes no
- c) A rectangle has 4 sides and 4 square corners. Is it a quadrilateral? Circle one: yes no
- d) A square has 4 equal sides. Is every square also a rhombus? Circle one: yes no
- e) A pentagon has 5 sides. Is a pentagon a quadrilateral? Circle one: yes no
- f) Rhombuses, rectangles and squares are all _____.
- g) I have 4 equal sides and 4 square corners. I am a _____.
- h) I have 4 equal sides, but my corners are not square corners. I am a _____.



4. Equal Parts

Each ■ is one equal part of the whole shape. Count the equal parts. Then write the fraction for one part.



- a) ■ ■ ■ ■
Equal parts: ____ Each part is ____ / ____ of the whole.

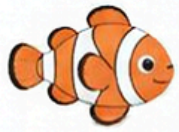
- b) ■ ■ ■
■ ■ ■
Equal parts: ____ Each part is ____ / ____ of the whole.

- c) ■ ■
Equal parts: ____ Each part is ____ / ____ of the whole.

- d) ■ ■ ■ ■
■ ■ ■ ■
Equal parts: ____ Each part is ____ / ____ of the whole.

- e) ■ ■ ■
Equal parts: ____ Each part is ____ / ____ of the whole.





Answer Key: Area, Perimeter and Shapes



Section 1

- a) $3 \times 4 = 12$ square inches
- b) $5 \times 3 = 15$ square inches
- c) $4 \times 4 = 16$ square inches
- d) $2 \times 7 = 14$ square inches

Section 2

- 1) Area $3 \times 5 = 15$ square feet;
Perimeter $3 + 5 + 3 + 5 = 16$ feet
- 2) Area $4 \times 7 = 28$ square feet;
Perimeter $4 + 7 + 4 + 7 = 22$ feet
- 3) Area $6 \times 6 = 36$ square feet;
Perimeter $6 + 6 + 6 + 6 = 24$ feet
- 4) Area $8 \times 10 = 80$ square inches;
Perimeter $8 + 10 + 8 + 10 = 36$ inches
- 5) Area $2 \times 9 = 18$ square inches;
Perimeter $2 + 9 + 2 + 9 = 22$ inches

Section 3

- a) yes
- b) no
- c) yes
- d) yes
- e) no
- f) quadrilaterals
- g) square
- h) rhombus

Section 4

- a) 4 equal parts; $\frac{1}{4}$
- b) 6 equal parts; $\frac{1}{2}$
- c) 2 equal parts; $\frac{1}{2}$
- d) 8 equal parts; $\frac{1}{2}$
- e) 3 equal parts; $\frac{1}{2}$

