Name: _____
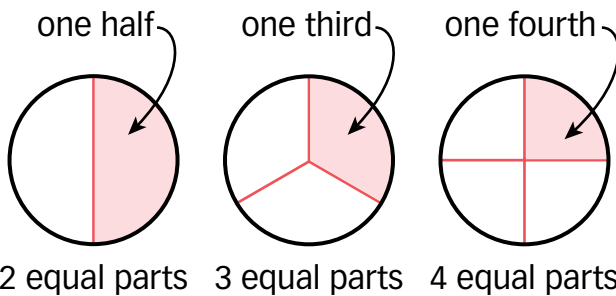
**Prerequisite: How can you find equal parts of a shape?**

**Study the example showing shapes divided into equal parts. Then solve problems 1–6.**

**Example**
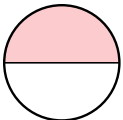
The circles are divided into equal parts. You use the number of equal parts to name the parts.

one half    one third    one fourth

2 equal parts    3 equal parts    4 equal parts

**1** Which of these shows equal parts? Circle the letter for all that apply.
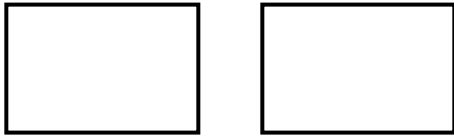
A          B          C          D

**Fill in the blanks.**

**2** _____ equal parts

Each part is one _____.

**3** _____ equal parts

Each part is one _____.

**Solve.**

**4** Divide the rectangles to make 4 equal parts in each one. Show a different way in each rectangle.

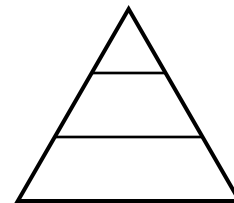**5** Which triangle is divided into thirds?

Explain your answer. _____

_____
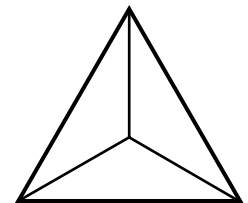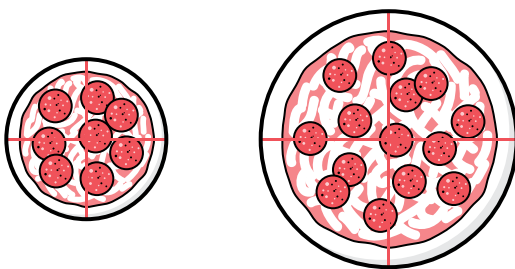
_____

_____

_____

Triangle A          Triangle B

**6** Each pizza is cut into fourths. There are 8 people sharing the pizzas shown below. If each person takes one slice, will everyone get the same amount of pizza? Explain your answer.
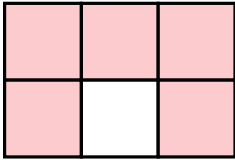
_____

_____

_____

_____

Name: _____

## Describe Parts of a Whole with Fractions

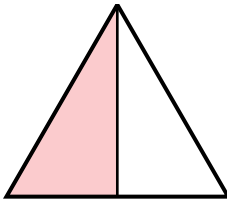**Study the example that shows how to write a fraction for parts of a whole. Then solve problems 1–8.**

**Example**

- There are 6 equal parts.
- Each part is one sixth.
- 5 parts are shaded.
- 5 sixths of the whole is shaded.
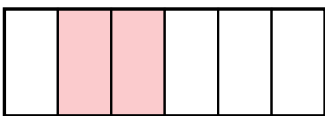- This shows the fraction $\frac{5}{6}$.

**Fill in the blanks.**

**1**

_____ shaded parts

_____ equal parts

_____ fraction

**2**

_____ shaded parts

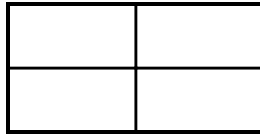_____ equal parts

_____ fraction

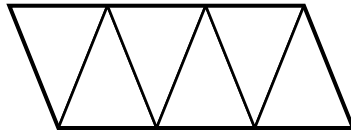**Vocabulary**

**fraction**  a number that names part of a whole.

**Solve.**

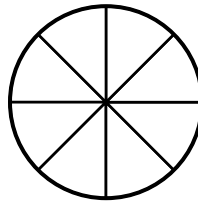**3** Shade this shape to show $\frac{3}{4}$.
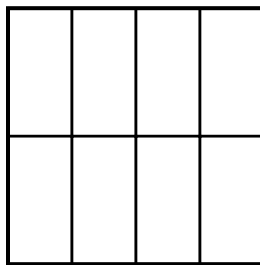
**4** Shade this shape to show $\frac{2}{6}$.

**5** Shade 3 parts.

What fraction is shaded? _____

**6** Shade 7 parts.

What fraction is shaded? _____

**7** ☐ is $\frac{1}{4}$ of a rectangle.

Draw the rectangle. Show the parts.

**8** ◺ is $\frac{1}{4}$ of a rectangle.

Draw the rectangle. Show the parts.

Then shade $\frac{2}{4}$ of your rectangle.

Name: _____

## Reason and Write

**Study the example. Underline two parts that you think make it a particularly good answer and a helpful example.**

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**Example**

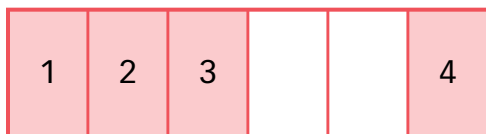Draw a rectangle with $\frac{4}{6}$ of it shaded.

Explain how you decided what to draw.

***Show your work.*** Use pictures, words, or numbers to explain how you decided what to draw.

**First I thought about how many equal parts are in $\frac{4}{6}$. There are 6 equal parts, so I drew 6 rectangles in a row to make one big rectangle with 6 equal parts.**

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |

**Then I looked at the numerator. The 4 tells me that I should shade 4 parts. Since they are all the same, I can shade any 4. Here is the same rectangle with 4 parts shaded.**

| 1 | 2 | 3 | | | 4 |
|---|---|---|---|---|---|

**This rectangle has 4 out of 6 equal parts shaded, so $\frac{4}{6}$ of the rectangle is shaded.**

*Where does the example . . .*

- *use a picture to explain?*
- *use numbers to explain?*
- *use words to explain?*
- *give details?*

**Solve the problem. Use what you learned from the model.**

Draw a rectangle with $\frac{3}{8}$ of it shaded.

Explain how you decided what to draw.

*Show your work.* Use pictures, words, or numbers to explain how you decided what to draw.

Did you . . .
- use a picture to explain?
- use numbers to explain?
- use words to explain?
- give details?