

Lesson 2: Naming Fractions

Getting Started

? Big Ideas

- What is a fraction?
- What are the parts of a fraction?
- How do we write and speak in mathematical language?

📖 Facts and Definitions

- **Numerator:** the top number in a fraction, how many parts of the whole you have or need
- **Denominator:** the bottom number in a fraction, the total number of equal parts in a whole

🎯 Skills

- Recognize parts of fractions: numerator and denominator
- Understand a fraction $1/b$ as the quantity formed by 1 part when a whole is partitioned into b equal parts
- Understand a fraction a/b as the quantity formed by a parts of size $1/b$

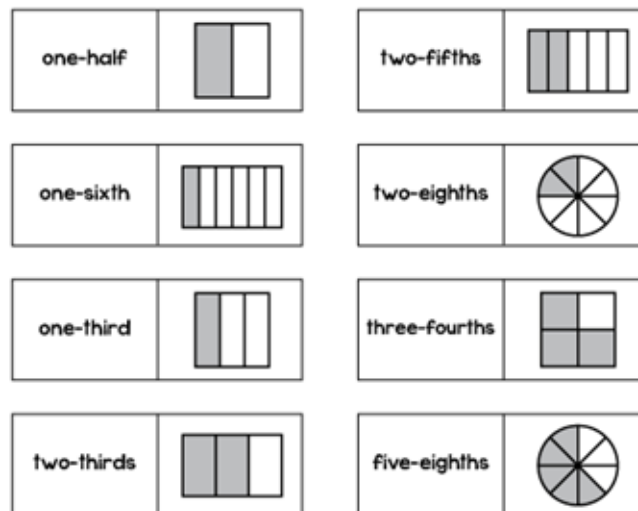
✂️ Materials

- ✓ *A Fraction's Goal—Parts of a Whole* by Brian P. Cleary
- ✓ glue or glue stick
- ✓ colored pencils
- ✓ scissors

Introduction

Your child will cut out the cards on the "Matching Fractions" sheet and then create pairs that show the same fractions.

"Matching Fractions" Answer Key



Activities

Reading and Questions

Your child will read *A Fraction's Goal —Parts of a Whole* by Brian P. Cleary. When she's finished reading the book, she will answer the following questions:

1. What is a fraction?
 - part of a whole, a piece of something larger
2. Picture a pizza in your mind. Which is larger, a half of a pizza or a fourth of a pizza?
 - a half of a pizza
3. If you eat 2 out of 3 cookies, what fraction of the cookies have you eaten?
 - two-thirds
4. According to the book, when can we use fractions in real life?
 - cutting foods into pieces, cooking, telling time, planting gardens
5. What is the number on the top of a fraction called?
 - numerator
6. What is the number on the bottom of a fraction called?
 - denominator
7. On p. 29, which fractions have a numerator of 1?
 - $\frac{1}{12}$, $\frac{1}{2}$, $\frac{1}{9}$
8. On p. 29, how many fractions have a denominator of 9?
 - 2





Activity 1: Identifying Fractions

Tell your child to look again at pp. 30-31 in *A Fraction's Goal —Parts of a Whole*. Ask, "Do you think the fractions shown on this page represent the red parts or the blue parts of the circles?" Make sure that your child understands that they are naming the red parts. Point to three or four of the circles, count the red parts, and say the fraction names. For example, you might point to the circle showing one-fourth and say, "This shows one out of four parts shaded red. This shows one-fourth." Next, point to the circle showing five-eighths, and ask, "Why is this fraction named five-eighths?" Your child should note that five out of eight parts are shaded red.

For additional challenge, you can hide the names of the fractions with your fingers and ask your child to look at each circle and name the fraction.

Now, your child will complete the "Naming Fractions" sheets by cutting out and sorting the fraction images and names on the first sheet and then gluing them into the boxes on the second sheet.

"Naming Fractions" Answer Key

$\frac{4}{10}$	four-tenths	
$\frac{2}{3}$	two-thirds	
$\frac{3}{12}$	three-twelfths	
$\frac{4}{6}$	four-sixths	

Activity 2: Colorful Circles

Your child will complete the "Colorful Circles" sheet by coloring the circles as directed and then writing fractions based on the circles.

"Colorful Circles" Answer Key

<p>1</p> <p>What fraction is orange? $\frac{1}{4}$</p> <p>What fraction is green? $\frac{3}{4}$</p>	<p>2</p> <p>What fraction is green? $\frac{5}{10}$</p> <p>What fraction is purple? $\frac{3}{10}$</p> <p>What fraction is brown? $\frac{2}{10}$</p>
<p>3</p> <p>What fraction is yellow? $\frac{3}{6}$</p> <p>What fraction is red? $\frac{2}{6}$</p> <p>What fraction is blue? $\frac{1}{6}$</p>	<p>4</p> <p>What fraction is orange? $\frac{2}{8}$</p> <p>What fraction is blue? $\frac{4}{8}$</p> <p>What fraction is not colored? $\frac{2}{8}$</p>

Activity 3: Basic Skills Review

Your child will complete the "Basic Skills Review #15" sheet. Give her scratch paper to use as needed.

Answer Key:

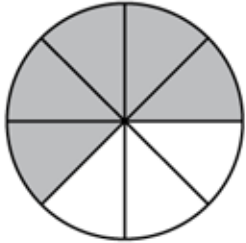
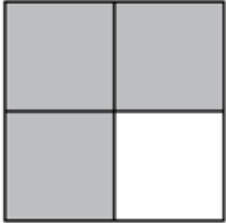
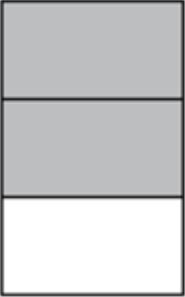


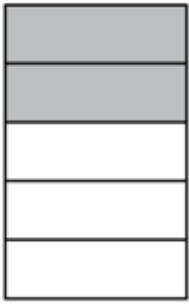
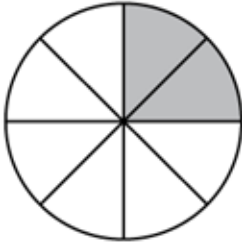

1. Sharon had 10 bags of donuts. Each bag had 6 donuts. Thomas ate 5 of the donuts. How many does Sharon have now? ($10 \times 6 = 60$, $60 - 5 = 55$ donuts)
2. Now, Sharon wants to share her remaining donuts equally with 9 friends. How many donuts can she give to each of her friends, and how many will she have left over? ($55 \div 9 = 6$ donuts for each friend, 1 left over)
3. Karl needs to practice his multiplication facts for 25 minutes. If he starts at 11:45, what time will he be finished? (12:10)
4. Mrs. Moneybags has 15 coins in her purse that total \$1.26. Which coins does she have in her purse? (1 quarter, 7 dimes, 6 nickels, 1 penny)
5. Mrs. Rose wants to fertilize her flower garden. Her flower garden is a square with sides of 6 feet. The bag of fertilizer covers an area of 25 sq. ft. Does Mrs. Rose have enough fertilizer? YES or NO (no)
6. $6391 - 4487 = 1904$
7. $4 \times b = 320$. What is b? (80)
8. $a \times 30 = 270$. What is a? (9)

Wrapping Up

Provide time for your child to play one level of the game at the following web link to practice naming fractions.

Identify Fractions Up to Tenths
www.movingbeyondthepage.com/link/7229
https://www.mathgames.com/skill/3.40-identify-fractions-up-to-tenths

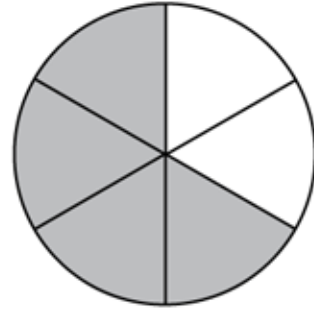
Matching Fractions

	<p>five-eighths</p>		<p>one-half</p>
<p>two-fifths</p>		<p>one-third</p>	
	<p>two-thirds</p>		<p>two-eighths</p>
<p>one-sixth</p>	<p>three-fourths</p>		

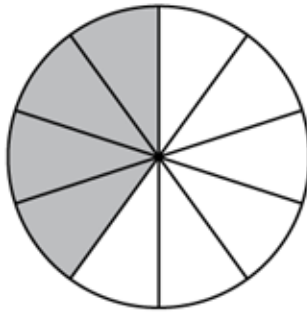
Naming Fractions

$$\frac{2}{3}$$

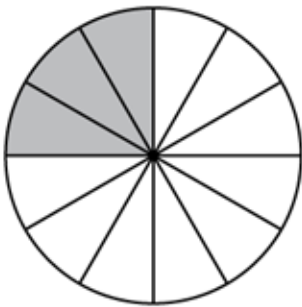
four-tenths



$$\frac{4}{6}$$

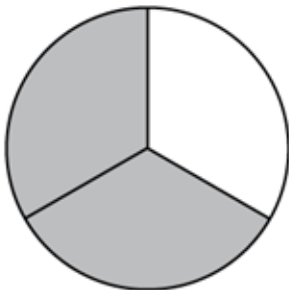


three-twelfths



two-thirds

$$\frac{4}{10}$$



$$\frac{3}{12}$$

four-sixths

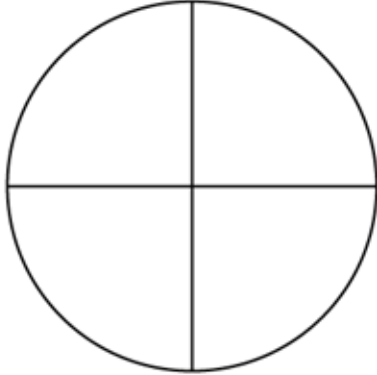
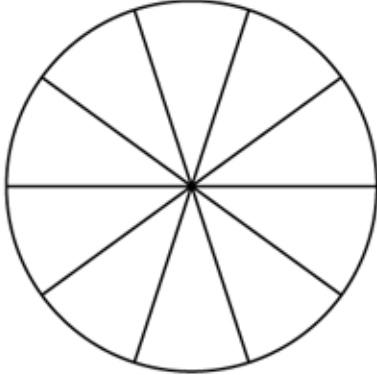
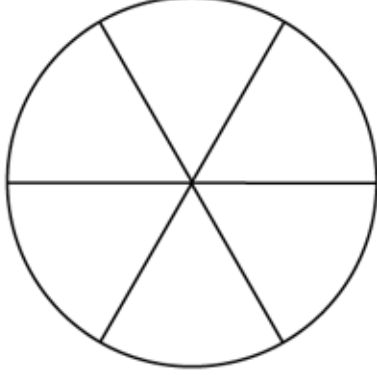
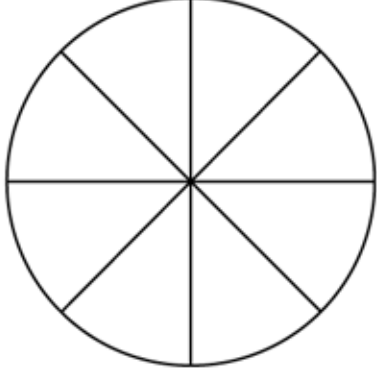
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Colorful Circles

<p>1 Color 1 part orange. Color 3 parts green.</p>  <p>What fraction is orange? _____</p> <p>What fraction is green? _____</p>	<p>2 Color 5 parts green. Color 3 parts purple. Color 2 parts brown.</p>  <p>What fraction is green? _____</p> <p>What fraction is purple? _____</p> <p>What fraction is brown? _____</p>
<p>3 Color 3 parts yellow. Color 2 parts red. Color 1 part blue.</p>  <p>What fraction is yellow? _____</p> <p>What fraction is red? _____</p> <p>What fraction is blue? _____</p>	<p>4 Color 2 parts orange. Color 4 parts blue.</p>  <p>What fraction is orange? _____</p> <p>What fraction is blue? _____</p> <p>What fraction is not colored? _____</p>



Basic Skills Review #15



1. Sharon had 10 bags of donuts. Each bag had 6 donuts. Thomas ate 5 of the donuts. How many does Sharon have now?

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3. Karl needs to practice his multiplication facts for 25 minutes. If he starts at 11:45, what time will he be finished?

4. Mrs. Moneybags has 15 coins in her purse that total \$1.26. Which coins does she have in her purse?

5. Mrs. Rose wants to fertilize her flower garden. Her flower garden is a square with sides of 6 feet. The bag of fertilizer covers an area of 25 sq. ft. Does Mrs. Rose have enough fertilizer?

YES or NO

6.

$$\begin{array}{r} 6391 \\ - 4487 \\ \hline \end{array}$$

7. What is b?

$$4 \times b = 320$$

8. What is a?

$$a \times 30 = 270$$