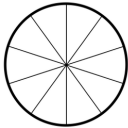
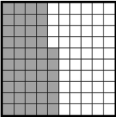
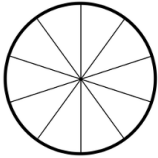


# FRACTION AND DECIMAL

## of the day

60 activities to facilitate real understanding

$\frac{3}{5}$	Word Form	Use the model to represent the fraction. <input type="text"/>
	Show $\frac{3}{5}$ on the model and write the equivalent fraction. 	Write a story problem that includes $\frac{3}{5}$ .
Compare with <, >, or =. $\frac{3}{5}$ <input type="checkbox"/> $\frac{2}{5}$ $\frac{3}{5}$ <input type="checkbox"/> $\frac{5}{5}$ $\frac{3}{5}$ <input type="checkbox"/> $\frac{8}{10}$	Multiply. $\frac{3}{5} \times 2$	Fill in the fractions to make the number sentence true. $\frac{3}{5} = \frac{\quad}{\quad}$
$0.46$	Word Form	
	Sam is buying some candy from the store. He has \$1.00 to spend. If he receives \$0.46 as his change, how much did his candy cost?  <input type="text"/>	Does this model represent 0.46? Yes or No How do you know? 
	Fill in the blanks. Can you make a connection? $0.86 - 0.46 = \underline{\quad}$ $0.85 - 0.46 = \underline{\quad}$	Write three things you know about 0.46.  <input type="text"/> <input type="text"/> <input type="text"/>
$\frac{2}{5}$	Word Form	Write an addition sentence that includes $\frac{2}{5}$ .
	Show $\frac{2}{5}$ on the model and write the equivalent fraction. 	What are three things you know about $\frac{2}{5}$ ?
Compare with <, >, or =. $\frac{2}{5}$ <input type="checkbox"/> $\frac{2}{6}$ $\frac{2}{5}$ <input type="checkbox"/> $\frac{1}{5}$ $\frac{2}{5}$ <input type="checkbox"/> $\frac{4}{5}$	What is the double of $\frac{2}{5}$ ? How do you know?	Fill in the fractions to make the number sentence true. $\frac{2}{5} + \underline{\quad} + \underline{\quad} = 1$
		If two-fifths of the shoes are blue, what fraction of the shoes are not blue?

SHELLEY GRAY

# about this resource

This resource includes 30 fraction of the day activities and 30 decimal number of the day activities. In each one, students will work with the fraction or decimal number to reinforce their overall understanding.

This resource focuses on the following skills:

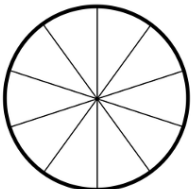
- Word form
- Identifying fractions AND equivalent fractions
- Comparing and ordering fractions with like and unlike denominators
- Decimals - tenths and hundredths
- Fractions and decimals on a number line
- Adding, subtracting, and multiplying (by a whole number) fractions
- Adding and subtracting decimals
- Converting decimals to fractions
- Representing fractions and decimal numbers on visual models
- Problem solving

Fraction/decimal expectations differ quite a bit based on curriculum, so depending on where you teach, this resource will be best suited to a 4<sup>th</sup> to 6<sup>th</sup> grade level.

I want to ensure that you know exactly what you're getting when you purchase this resource, so let's look at the types activities you will find inside!



# take a peek inside...

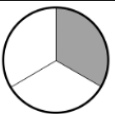

$\frac{2}{5}$	Word Form	Write an addition sentence that includes $\frac{2}{5}$ .
	Show $\frac{2}{5}$ on the model and write the equivalent fraction. 	What are three things you know about $\frac{2}{5}$ ?
Compare with <, >, or =. $\frac{2}{5}$ <input type="checkbox"/> $\frac{2}{6}$ $\frac{2}{5}$ <input type="checkbox"/> $\frac{1}{5}$ $\frac{2}{5}$ <input type="checkbox"/> $\frac{4}{5}$	What is the double of $\frac{2}{5}$ ? How do you know?	Fill in the fractions to make the number sentence true. $\frac{2}{5} + \text{---} + \text{---} = 1$
		If two-fifths of the shoes are blue, what fraction of the shoes are not blue?

adding fractions

creating equivalent fractions

comparing with like and unlike denominators

problem solving

$\frac{6}{9}$	Word Form	$\frac{6}{9} = \text{---} = \text{---} = \text{---}$
	Lita is running a marathon. She runs for $\frac{6}{9}$ of the distance and walks the rest. What fraction of the distance did she walk? Draw a number line to show your work.	Numerator: _____ Denominator: _____
Is this fraction equivalent to $\frac{6}{9}$ ? Yes    or    No 	Write 5 addition, subtraction, or multiplication equations that include the fraction $\frac{6}{9}$ .	
How do you know? _____ _____ _____		
Shade this model to show a fraction that is equivalent to $\frac{6}{9}$ . 		

**$\frac{5}{6}$**  Word Form

$\frac{5}{6} = \frac{\quad}{12} = \frac{\quad}{18} = \frac{\quad}{24}$

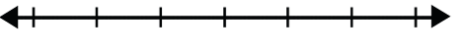
Decompose the fraction in three different ways.

$\frac{5}{6} = \text{---} + \text{---}$

$\frac{5}{6} = \text{---} + \text{---} + \text{---}$

$\frac{5}{6} = \text{---} + \text{---} + \text{---} + \text{---}$

On a number line, would  $\frac{5}{6}$  be closer to  $\frac{2}{6}$  or  $\frac{6}{6}$ ? How do you know?



Numerator: \_\_\_\_\_

Denominator: \_\_\_\_\_

Write a story problem using the fraction  $\frac{5}{6}$ .

\_\_\_\_\_

\_\_\_\_\_

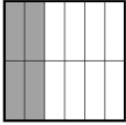
decomposing fractions

**$\frac{2}{6}$**  Word Form

$\frac{2}{6} = \frac{\quad}{12} = \frac{\quad}{18} = \frac{\quad}{24}$

Brian has  $\frac{2}{6}$  of a pan of brownies left. He wants to share them with his brother. What fraction of the pan of brownies will Brian and his brother each get?

Does this model show  $\frac{2}{6}$ ?  
Yes or No



How do you see it?

Write a story problem using the fraction  $\frac{2}{6}$ .

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

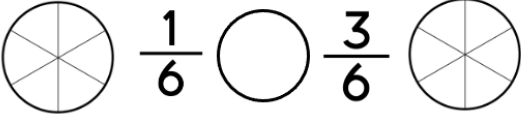
\_\_\_\_\_

\_\_\_\_\_

comparing to one whole

**$\frac{1}{6}$**  Word Form

Shade each picture to represent the fractions. Then compare with a < or >.



How much **less than 1 whole** is  $\frac{1}{6}$ ?

Write 3 fractions that are equivalent to  $\frac{1}{6}$ .

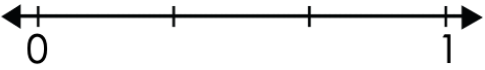
Jackson and Avery ordered a pizza. Avery ate  $\frac{1}{6}$  of the pizza. Jackson ate twice as much as Avery. What fraction of the pizza did Jackson eat?

Add the fractions.

$\frac{1}{6} + \frac{4}{6} =$

$\frac{1}{6} + \frac{6}{6} =$

Represent the fraction on the number line.



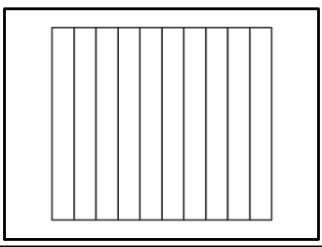
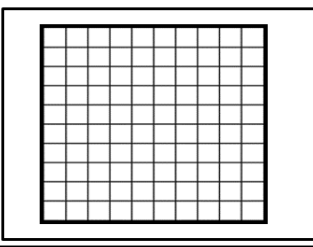
number lines

0.25

Word Form

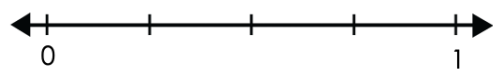
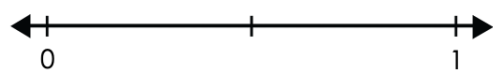
Write a fraction to represent 0.25.

Represent this number in two different ways.

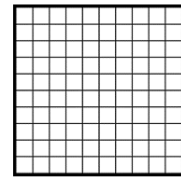
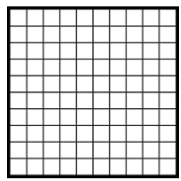


Make a real-life connection. What does 0.25 remind you of?

Where could you find 0.25 on the number lines?



Compare the numbers. Use >, <, or =.



0.25 ○ 0.85

representing decimal numbers in fraction form

comparison using visual models

real life connections

comparing decimal numbers

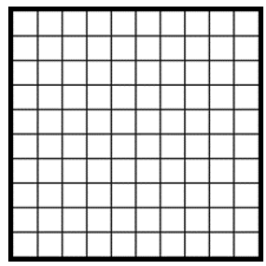
0.1

Word Form

Represent 0.1 with a fraction.

Show 0.1 on the model. Then write the fraction that is represented.

\_\_\_\_\_



Write a story problem that includes 0.1.

Compare with < or >.

0.1 □ 0.12

0.2 □ 0.1

0.1 □ 0.01

Compare 0.1 to 0.01.

How are they the same?

How are they different?

Fill in the blanks to make the number sentence true.

0.1 + \_\_\_ + \_\_\_ = 1

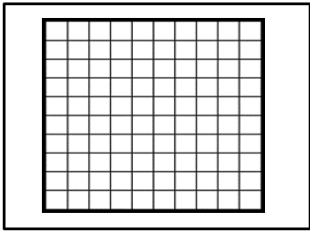
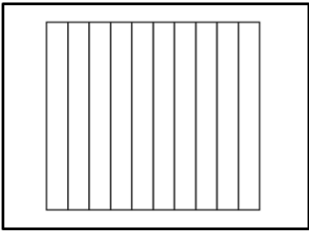
How can you relate 0.1 to money?

0.80

Word Form

Write a fraction to represent 0.80.

Represent it with two different pictures.

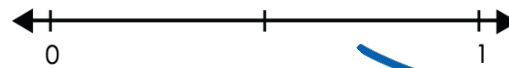
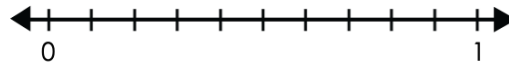


How much less than 1 is 0.80?

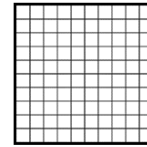
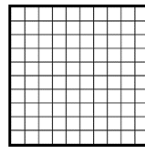
Is 0.80 the same as 0.8? How do you know?

How could you represent 0.80 with money?

Where could you find 0.80 on the two number lines?



Compare using >, <, or =.



0.80 ○ 0.08

seeing numbers lines in different ways

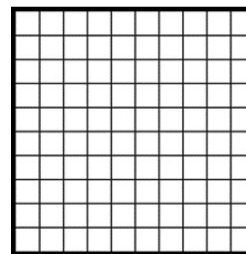


0.85

Word Form

How much less than 1 is 0.85?

Show 0.85 on the model and write it in fraction form.



How could you represent 0.85 with coins?

Compare with < or >.

0.85  0.84

0.85  0.75

0.85  0.5

0.85  0.9

Write two facts about 0.85.

Fill in the blanks to make the number sentence true.

$0.85 + \underline{\quad} + \underline{\quad} = 1$

$0.85 + \underline{\quad} + \underline{\quad} = 0.99$

If you add one-tenth to 0.85, what will it make?

adding and subtracting decimal numbers.

