


# Includes PowerPoint with 20 Fraction Warm-Ups

**CORRECT THE TEACHER**

Your teacher solved a math problem incorrectly.

Your teacher says that the following shaded in parts are equivalent because they both represent  $\frac{1}{4}$ .

What mistake was made?




**TUG-O-WAR**

Do you agree or disagree with the following statement? Why?

There are only five fractions that are equivalent to  $\frac{1}{2}$ .

I AGREE I DISAGREE




**PICTURE THIS**

Draw a Picture.

Draw a picture to show that  $\frac{1}{3}$ ,  $\frac{2}{6}$ , and  $\frac{4}{12}$  are all equivalent fractions.


Write a sentence or two to explain your picture.



**SHOW ME MORE**

Show more than one...


Show more than one fraction that is equivalent to  $\frac{1}{2}$



**PROBLEM OF THE DAY**

Solve the following

Marcie baked 4 chocolate cupcakes, 8 vanilla cupcakes, and 6 peanut butter cupcakes. Come up with two fractions that are equivalent to the fraction of vanilla cupcakes.




**CORRECT THE TEACHER**

Your teacher solved a math problem incorrectly.

Your teacher says:  $\frac{4}{8}$  is greater than  $\frac{4}{5}$  because 8 is greater than 5.

What mistake was made?




**TUG-O-WAR**

Do you agree or disagree with the following statement? Why?

$\frac{7}{12}$  is less than  $\frac{7}{8}$

I AGREE I DISAGREE




**PICTURE THIS**

Draw a picture.

Jackson and Nico ordered a pizza. Jackson ate four slices. Nico ate three slices. There was one slice left over. Draw a picture to help you show the comparison of the fraction of pizza each boy ate.

Write a sentence or two to explain your picture.




**SHOW ME MORE**

Show more than one...

Show more than one comparison for the following fractions:

$\frac{1}{8}$   $\frac{3}{7}$   $\frac{2}{3}$   $\frac{6}{10}$




# INCLUDES 5 ROUTINES


## CORRECT THE TEACHER

**CORRECT THE TEACHER** >>>

Your teacher solved a math problem incorrectly

Your teacher says that 500 is one-tenth of 50 and 10 times as much as 5,000.

What mistake was made?



### Correct The Teacher

These routines give students a math problem/statement that has been solved incorrectly. Students have to figure out what the mistake was.


## TUG-O-WAR

**TUG-O-WAR** >>>

Do you agree or disagree with the following statement? Why?

8,745 is ten times as much as 874.

I AGREE I DISAGREE



### Tug-O-War


Students are given a math statement, expression or equation. They need to decide if they agree or disagree and explain their position.

## SHOW ME MORE

**SHOW ME MORE** >>>

Show more than one way to...

Explain the relationships between 3,050, 305, and 30,500.



### Show Me More

Students are asked to give more than one response to the problem or statement given. This helps students realize that there is usually more than one way to approach math.


## PICTURE THIS

**PICTURE THIS** >>>

Draw a Picture.

Draw a picture to show that  $\frac{1}{3}$ ,  $\frac{2}{6}$ , and  $\frac{4}{12}$  are all equivalent fractions.

Write a sentence or two to explain your picture.



### Picture This


Picture this forces students to draw a picture and explain their illustration. This is a great opportunity for students to see math relationships in a visual representation.

## PROBLEM OF THE DAY

**PROBLEM OF THE DAY** >>>

Solve the following

Carrie has 4,500 stickers. Mike has 10 times that amount. Robyn has one-tenth that amount. How many stickers do Mike and Robyn each have?



### Problem of the Day

Students are given a traditional math problem and are asked to solve it. It is their opportunity to apply all the problem solving skills and critical thinking skills they have practiced with the other routines.

## SUGGESTED USES

- Use as a daily math warmup
- Use as part of your spiral review
- Use task cards in a math center
- Use as part of morning work routine
- Use for test prep or review
- Use as extension activities

# Covers Fraction Related Skills

**CORRECT THE TEACHER** >>>  
Your teacher solved a math problem incorrectly.

Your teacher says:

**TUG-O-WAR** >>>  
Do you agree or disagree with the following statement? Why?

$\frac{7}{12}$  is less than  $\frac{7}{6}$

**PICTURE THIS** >>>  
Draw a picture.

Jackson and Nico ordered a pizza. Jackson ate four slices. Nico ate three slices. There was  left.

**SHOW ME MORE** >>>  
Show more than one...

Write a number that is more than one.

**PROBLEM OF THE DAY** >>>  
Solve the following:

Write a numerator that makes the following statement true:

$$\frac{3}{4} > \frac{?}{8} > \frac{3}{12}$$

- Equivalent Fractions
- Comparing Fractions
- Adding and Subtracting Fractions
- Renaming Fractions/Mixed Numbers

Each Skill has 5 routines to spark critical thinking, problem solving and conversations about math.

# Task Card Option

**CORRECT THE TEACHER** >>>  
Your teacher solved a math problem incorrectly. What mistake was made?  
Your teacher says that the following shaded in parts are equivalent because they both represent  $\frac{1}{4}$ .

**CORRECT THE TEACHER** >>>  
Your teacher solved a math problem incorrectly. What mistake was made?  
Your teacher says:  $\frac{1}{8}$  is greater than  $\frac{1}{5}$  because 8 is greater than 5.

**PICTURE THIS** >>>  
Draw a picture. Write a sentence or two to explain your drawing.  
Draw a picture to show that  $\frac{1}{3}$ ,  $\frac{2}{6}$ , and  $\frac{4}{12}$  are all equivalent fractions.

**PICTURE THIS** >>>  
Draw a picture. Write a sentence or two to explain your drawing.  
Jackson and Nico ordered a pizza. Jackson ate four slices. Nico ate three slices. There was one slice left over. Draw a picture to help you show the comparison of the fraction of pizza each boy ate.

**CORRECT THE TEACHER** >>>  
Your teacher solved a math problem incorrectly. What mistake was made?  
Your teacher says:  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$  because you are adding four fractions.

**CORRECT THE TEACHER** >>>  
Your teacher solved a math problem incorrectly. What mistake was made?

**PICTURE THIS** >>>  
Draw a picture. Write a sentence or two to explain your drawing.  
Draw a picture to show  $\frac{8}{3}$  as a mixed fraction.

**TUG-O-WAR** >>>  
Do you agree or disagree with the following statement? Why?  
There are only five fractions that are equivalent to  $\frac{1}{2}$ .

**TUG-O-WAR** >>>  
Do you agree or disagree with the following statement? Why?  
 $\frac{7}{12}$  is less than  $\frac{7}{8}$ .

**TUG-O-WAR** >>>  
Do you agree or disagree with the following statement? Why?  
 $\frac{3}{8}$  is the same as 1 whole -  $\frac{5}{8}$ .

**TUG-O-WAR** >>>  
Do you agree or disagree with the following statement? Why?  
You can't add  $\frac{1}{4}$  and  $\frac{5}{8}$  because the numerator would be greater than 8.

**SHOW ME MORE** >>>  
Show more than one way to...  
Show more than one fraction that is equivalent to one half.

**SHOW ME MORE** >>>  
Show more than one way to...  
Show more than one way you can add or subtract fractions to get to  $\frac{5}{8}$ .

**SHOW ME MORE** >>>  
Show more than one way to...  
Show more than one way you could decompose the fraction  $3\frac{2}{8}$ .

**PROBLEM OF THE DAY** >>>  
Solve the following:  
Write a numerator that makes the following statement true:  
 $\frac{3}{4} > \frac{?}{8} > \frac{3}{12}$

**PROBLEM OF THE DAY** >>>  
Solve the following:  
Mitch bought a pizza that had 8 slices. He ate 2 slices. His sister ate one slice and his mom ate one slice. How much of the pizza was left? Make sure you write the fraction in simplest form.

**PROBLEM OF THE DAY** >>>  
Solve the following:  
Kelly was baking cookies. She needed  $\frac{3}{4}$  cup of sugar for a single batch. She wanted to triple the batch. How much sugar does Kelly need. Write it as both an improper fraction and mixed number.

All math routines can be printed on task cards.

They work great as a math workstation or as an extension activity.