

# Wanted: Rational Numbers

Throughout Comparing Bits & Pieces, we studied the anatomy and relationship of fractions, decimals, and percents. You will create a wanted poster to show off all of your rational number understanding. This project is due ***Monday, November 17th***.

## Picture:

In this section you will be writing your number nice and large, as well as drawing a pictorial representation in set form (see next page for an example).

## Aliases:

Aliases are other names that you can be called by, in this section write the other forms that your fraction can go by: **a decimal and a percent**. *Show how you found your fraction's decimal and percent alias.*

## Common Disguises:

Fractions are often disguised as other fractions. For this section come up with **five equivalent fractions** for your number. *Make sure you show how you found the equivalent fractions!*

## Height:

Criminals can be identified by their height, you will do the same for your fraction by **splitting a fraction bar** to show the "height" of your fraction.

## Finger Prints:

To properly identify someone, finger prints can be used. Create fraction finger prints by shading in a **tenths grid and hundredths grid** for your fraction.

## Last Seen At:

Where can your number be found on a number line? **Draw a number line** with benchmarks (0,  $\frac{1}{2}$ , 1), and place your fraction correctly with *proof that it is placed correctly*.

## Line Up of Suspects:

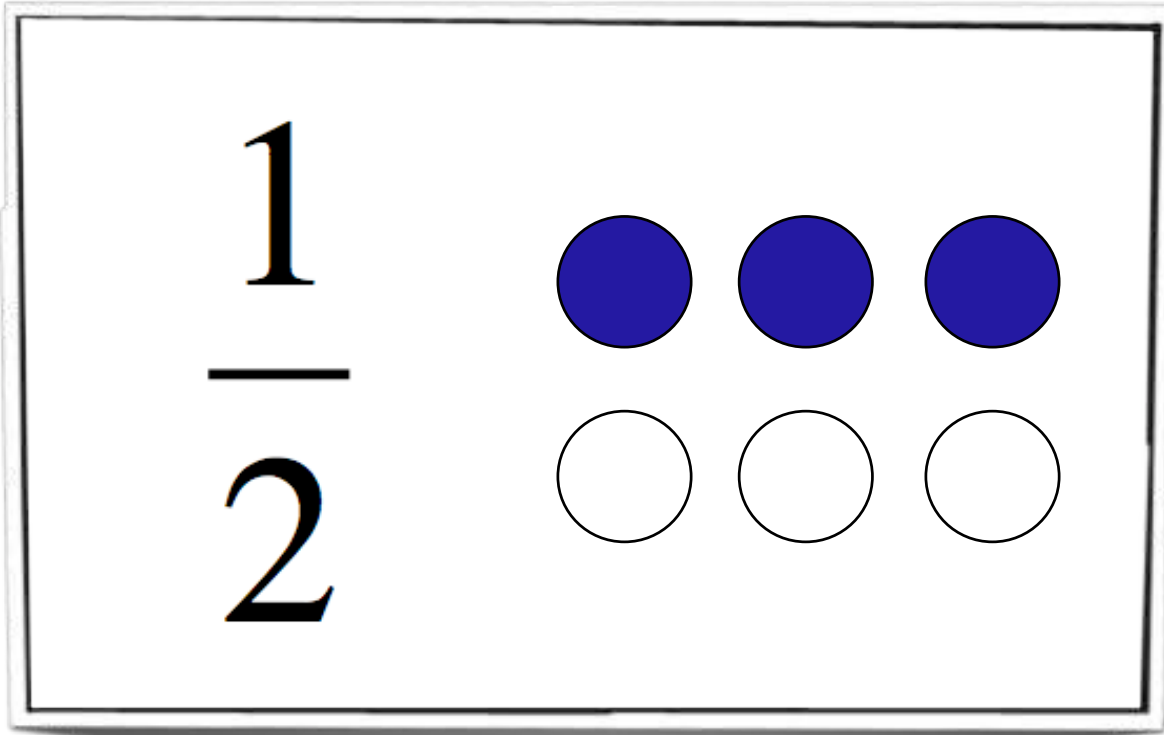
*With your fraction, correctly place in order from smallest to largest: 0.407, 87.5%,  $\frac{10}{4}$ ,  $\frac{1}{20}$ , 10%*

## Crime (Wanted For):

**Create a word problem** that involves your fraction as either a part of the problem or as the answer.

Here is an example of a poster set-up \*\*\*but it doesn't include everything\*\*\*:

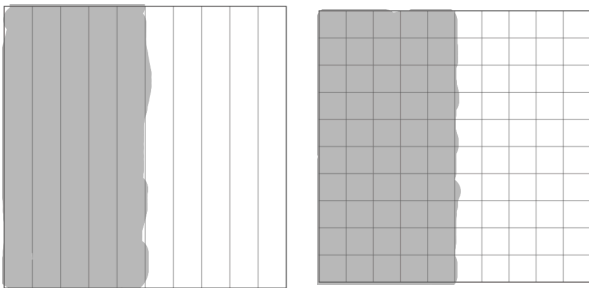
Wanted:  $\frac{1}{2}$



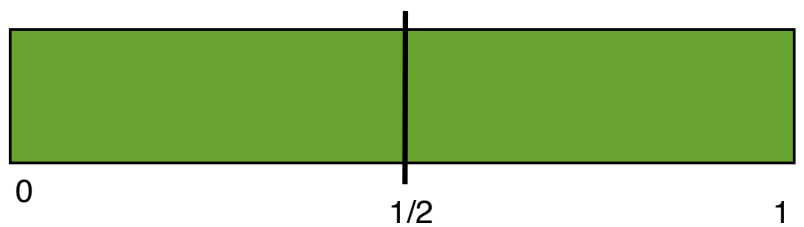
Aliases: 0.5, 0.50, 50%

Common Disguises:  $\frac{2}{4}$ ,  $\frac{3}{6}$ ,  $\frac{11}{22}$ ,  $\frac{50}{100}$ ,  $\frac{75}{150}$

Finger Prints:

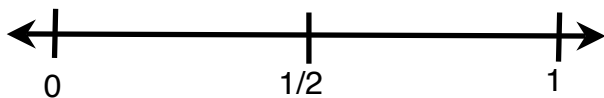


Height:



Last Seen At:

Crime:



Mr. Bonkers the Gorilla stole 11 of Granny Gorilla's 22 banana breads. How much of the total breads did Mr. Bonkers steal?

Name \_\_\_\_\_

Class Period \_\_\_\_\_

**COMPARING BITS AND PIECES UNIT PROJECT RUBRIC**

<b>REQUIREMENT</b>	<b>POINTS</b>	<b>POINTS EARNED</b>
Picture- fraction written large with a pictorial representation	<b>5</b>	
Aliases- decimal and percent (2 points) of your fraction with appropriate work shown (2 points)	<b>4</b>	
Common Disguises- 5 equivalent fractions (5 points) with appropriate work shown for each (5 points)	<b>10</b>	
Height- split a fraction bar to show the height	<b>5</b>	
Finger Prints- shade in a fraction grid correctly (tenths and hundredths)	<b>10 (5 pts each)</b>	
Last Seen At- number line with benchmarks (0, $\frac{1}{2}$ , 1) and your fraction (2 points) and proof that the fraction is placed correctly (3 points)	<b>5</b>	
Line Up of Suspects- correctly order all numbers from least to greatest, including your fraction	<b>5</b>	
Crime- word problem includes your fraction and explains the crime that was committed with your fraction	<b>10</b>	
Neatness and Creativity	<b>6</b>	
Total points	<b>60</b>	

Comments:

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