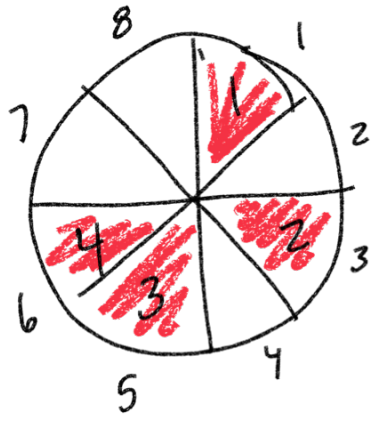


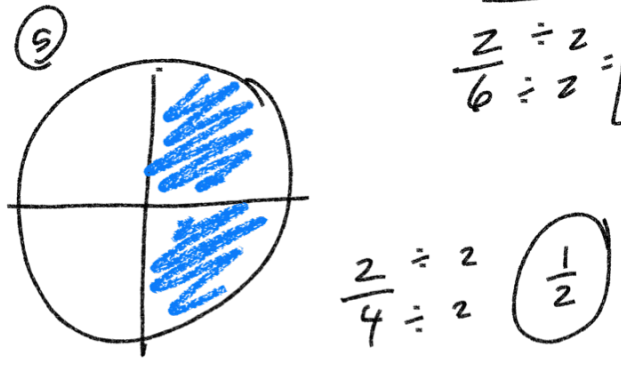
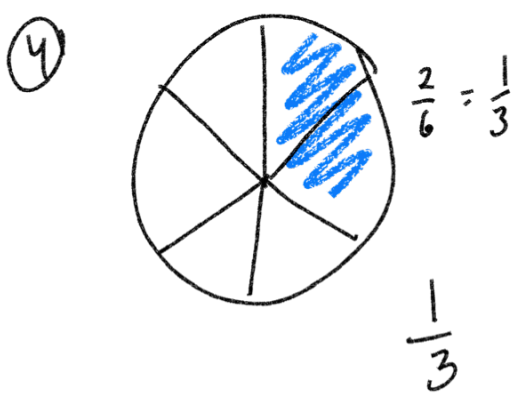
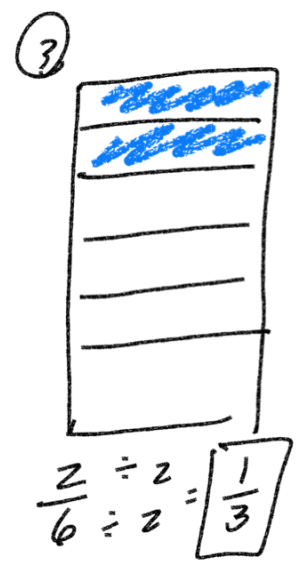
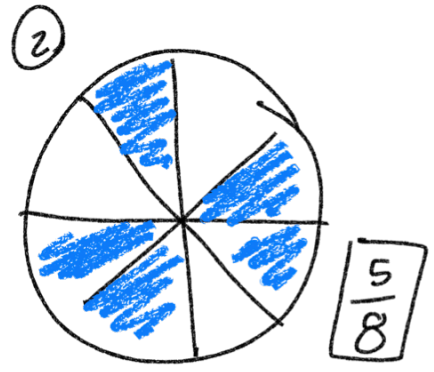
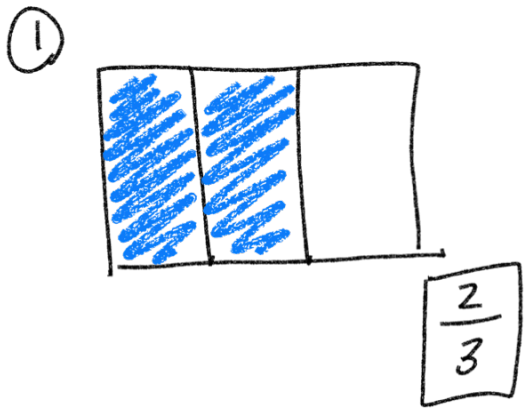
# Fractions

Fraction =  $\frac{\text{pieces}}{\text{whole}}$   $\rightarrow$   $\frac{\text{numerator}}{\text{denominator}}$

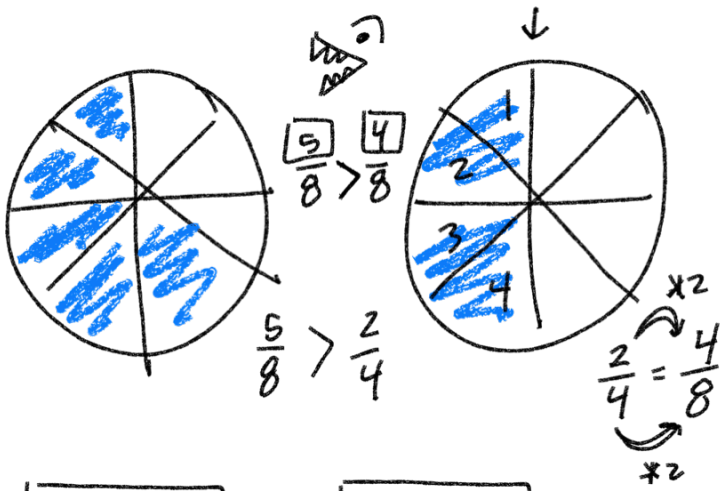


$\frac{\text{shaded parts}}{\text{whole \# of parts}} = \frac{4}{8}$

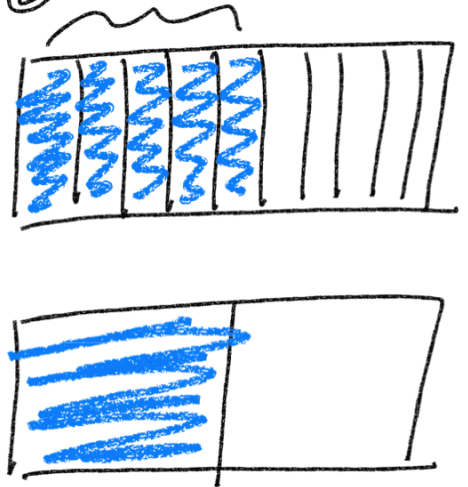
$\frac{4}{8} \div 4 = \frac{1}{2}$  (reduce)



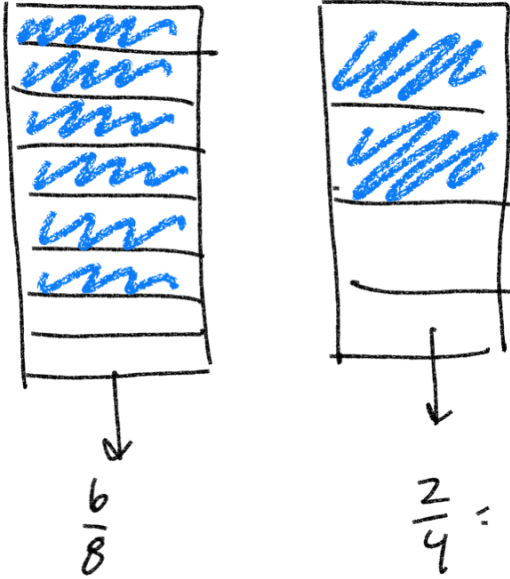
①



②



③



$\frac{6}{8} \div 2 = \frac{3}{4}$

$\frac{3}{4} \div \frac{1}{2} = \frac{3}{2}$

$\frac{2}{4} \xrightarrow{\times 2} \frac{4}{8}$

$\frac{1}{2} \xrightarrow{\times 2} \frac{2}{4}$

$\frac{5}{10} = \frac{1}{2} = \frac{5}{10}$

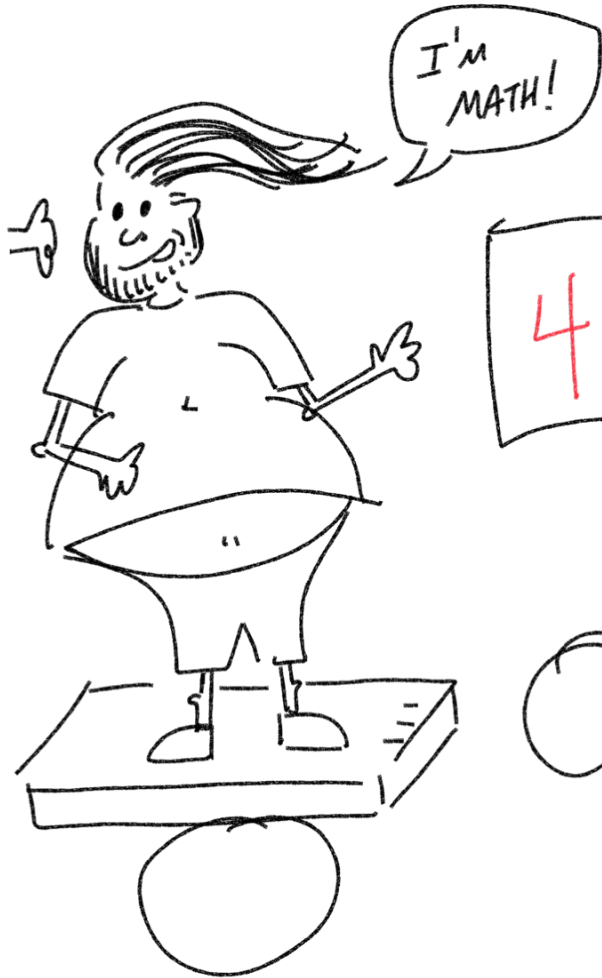
(Note: \*5 is written above the arrows indicating the conversion from 1/2 to 5/10 and from 5/10 to 1/2.)

$\frac{5}{10} = \frac{5}{10}$

$\frac{3}{4} > \frac{2}{4}$

$$\frac{14}{3}$$

Improper Fraction  $\rightarrow$  Mixed Number



$$4 \frac{2}{3}$$

$$\frac{14}{3}$$

$$\begin{array}{r} 3 \overline{) 14} \\ -12 \\ \hline 2 \end{array}$$

Annotations: "3" is boxed in green and labeled "denominator" with an arrow. "2" is circled in blue and labeled "numerator" with an arrow. "4" is circled in red and labeled "whole number" with an arrow. "RIP" is written next to the division bar.

$$\begin{array}{r} 14 \\ -3 \\ \hline 11 \\ -3 \\ \hline 8 \\ -3 \\ \hline 5 \\ -3 \\ \hline 2 \end{array}$$

Annotations: Each step of the subtraction is numbered 1 through 4 in circles.



Mixed Number

$$\frac{88}{9}$$

$$9 \overline{) 88} \\ -81 \\ \hline 7$$

$$\begin{array}{|c|} \hline 9 \\ \hline \end{array} \quad \begin{array}{|c|} \hline 7 \\ \hline \end{array} \\ \hline \begin{array}{|c|} \hline 9 \\ \hline \end{array}$$

$$9 \frac{7}{9}$$

Will

$$\frac{46}{7}$$

$$\begin{array}{r} 6 \\ 7 \overline{) 46} \\ \underline{-42} \\ 4 \end{array}$$

$$\boxed{6 \frac{4}{7}}$$

Mary

$$\frac{37}{8}$$

$$\begin{array}{r} 4 \\ 8 \overline{) 37} \\ \underline{-32} \\ 5 \end{array}$$

$$\boxed{4 \frac{5}{8}}$$

Elyza

$$\frac{35}{6}$$

$$\begin{array}{r} 5 \\ 6 \overline{) 35} \\ \underline{-30} \\ 5 \end{array}$$

$$\boxed{5 \frac{5}{6}}$$

Caroline

$$\frac{57}{9}$$

$$\begin{array}{r} 6 \\ 9 \overline{) 57} \\ \underline{-54} \\ 3 \end{array}$$

reduce

$$\frac{3 \div 3}{9 \div 3} = \frac{1}{3}$$

$$\boxed{6 \frac{1}{3}}$$

Emma

$$\frac{78}{8}$$

$$\begin{array}{r} 9 \\ 8 \overline{) 78} \\ \underline{-72} \\ 6 \end{array}$$

$$9 \frac{6 \div 2}{8 \div 2} = 9 \frac{3}{4}$$

$$\frac{29}{6}$$

$$\begin{array}{r} 4 \\ 6 \overline{) 29} \\ \underline{-24} \\ 5 \end{array}$$

$$\boxed{4 \frac{5}{6}}$$

While watching tonight's election coverage, Nate ate 476 slices of pizza. If a whole pizza contains 8 slices, how many whole pizzas did Nate eat? (No judgment)

$$\frac{\text{parts}}{\text{whole}} = \frac{476}{8}$$

$$\begin{array}{r} 59 \\ 8 \overline{) 476} \\ \underline{-40} \downarrow \\ 76 \\ \underline{-72} \\ 4 \end{array}$$

mixed number

$$59 \frac{4 \div 4}{8 \div 4} = \boxed{59 \frac{1}{2}}$$

Nate has 512 My Little Pony figures.

Each carrying case can hold 20 figures. Write a mixed number to represent the number of full carrying cases.

$$\frac{512}{20}$$

$$\begin{array}{r} 25 \\ 20 \overline{) 512} \\ \underline{-40} \phantom{0} \\ 112 \\ \underline{-100} \\ 12 \end{array}$$

$$25 \left( \frac{12}{20} \right) \div 2 \quad \frac{6 \div 2}{10 \div 2} = \frac{3}{5}$$

$$\boxed{25 \frac{3}{5}}$$

Quiz 7  
due tonight

Unit 1 Test  
due November 10<sup>th</sup>

HW  
packet 3

pg 1-5 evens

Supplemental WS  
Online HW 9 (Thurs)

quiz 9 (Thurs)  
due by November 17<sup>th</sup>