

## 5. NF.7 Dividing with Fractions

I can divide fractions by whole numbers and whole numbers by fractions.

**K**

Keep

**C**

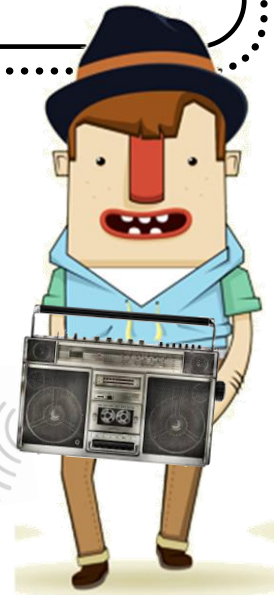
Change

**F**

Flip

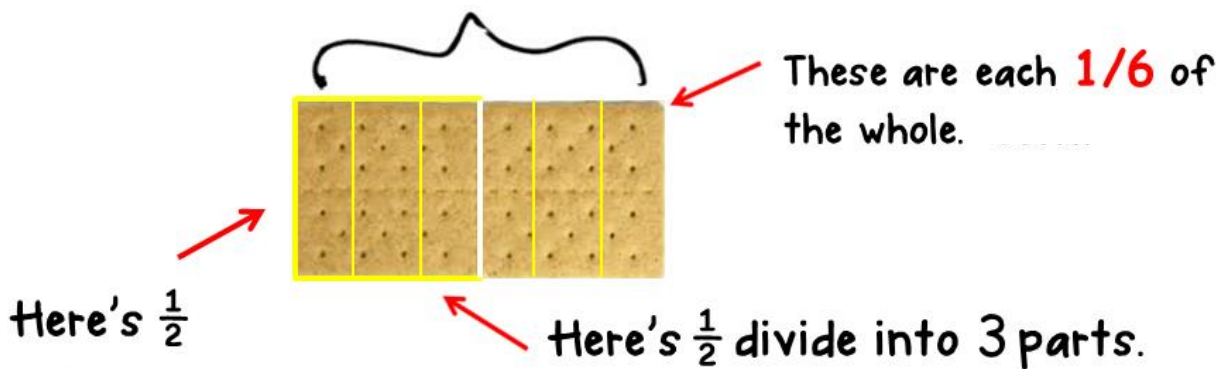
**M**

Multiply



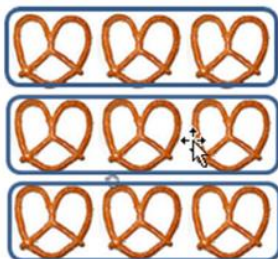
*KCFM... Need help  
dividing fractions?  
Don't touch that dial...*

$$\frac{1}{2} \div 3 = \frac{1}{6}$$



### DIVIDE

Splitting into equal parts  
or groups



### RECIPROCAL

Exchanging the top and  
bottom of the fraction.

$$\frac{3}{4} \xrightarrow{\text{Flip it!}} \frac{4}{3}$$

# Dividing Whole Numbers by Fractions

1	2	3	4
Change the whole number to a fraction.	Change the $\div$ to a $\times$	Find the reciprocal of the second fraction.	Find the product.
$2 \div \frac{1}{2}$ $\frac{2}{1} \div \frac{1}{2}$	$\frac{2}{1} \times \frac{1}{2}$	$\frac{2}{1} \times \frac{2}{1}$	$\frac{4}{1} = 4$

**K**

Keep

**C**

Change

**F**

Flip

**M**

Multiply

## YOUR TURN:

Find the quotient for each. Reduce to lowest terms. (Show your work)

$$\frac{2}{7} \div \frac{5}{6}$$

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

$$5 \div \frac{1}{5}$$