3.5 Dividing operations with Fractions

Tuesday, October 20, 2015 8:39 AM

Unit 3: Operations with Fractions Math 8

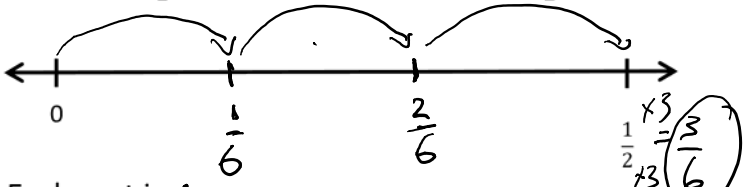
3.5 Dividing Whole Numbers and Fractions Name_____ _____

You may use a number line to help you divide whole numbers and fractions

Find $\frac{1}{2} \div 3$

Share $\frac{1}{2}$ into 3 equal parts and use a number line.

Let's mark $\frac{1}{2}$ on the line and divide 0 to $\frac{1}{2}$ into 3 equal parts.

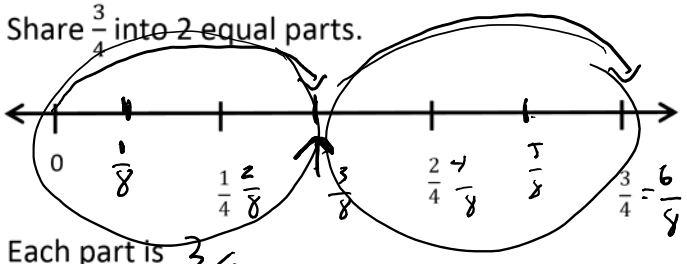


Each part is $\frac{1}{6}$

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

2.) Find $\frac{3}{4} \div 2$

Share $\frac{3}{4}$ into 2 equal parts.



Each part is $\frac{3}{8}$

So

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

Unit 3: Operations with Fractions Math 8

3.5 Dividing Whole Numbers and Fractions Name_____ _____

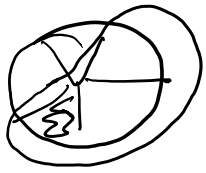
Let's divide a whole number by a fraction

Use fraction circles to divide $5 \div \frac{3}{5}$

How many $\frac{3}{5}$ are in 5 wholes?

Count groups of three-fifths.

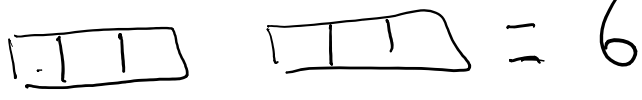
There are 8 groups of three-fifths with 1 left over



Since we are thinking in groups of 3, $\frac{1}{5}$ is $\frac{1}{3}$ of $\frac{3}{5}$.

So $5 \div \frac{3}{5} =$ $8\frac{1}{3}$

Assignment p. 132 # 3-5, 6def, 7, 8, 11

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

3 in the homework.