Math 7H - Unit 1b

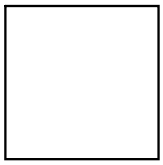
Day 5 - Multiplying Rational Numbers (Fractions)

Lesson Objectives:

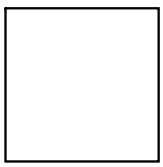
- I can multiply positive & negative fractions.

Model each fraction.

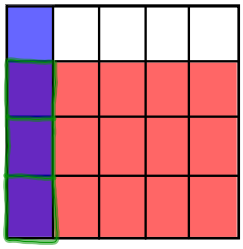
$\frac{3}{4}$



$\frac{1}{5}$



What happens if we slide one fraction over the other?



3/4 Group of 1/5 $\frac{3}{4} \times \frac{1}{5} = \frac{3}{20}$

To multiply fractions, multiply the numerators and multiply the denominators.

$\frac{2}{3} \times \frac{1}{4} = \frac{2}{12} = \frac{1}{6}$ $\frac{17}{10} \times \frac{5}{7} = \frac{1}{2}$

$\frac{3}{8} \times 4 = \frac{3}{2}$ $3\frac{1}{3} \times 2\frac{1}{2} = \frac{10}{3} \times \frac{5}{2} = \frac{25}{3}$

Remember that fractions can be negative. The same rules apply that we've already learned.

$-\frac{2}{5} \times \frac{2}{3} = -\frac{4}{15}$

$-\frac{7}{9} \times -\frac{3}{5} = \frac{21}{45} = \frac{7}{15}$

$\frac{3}{8} \times \frac{-4}{9} = \frac{-1}{6}$

Homework

Multiplying Fractions WKS

* Individual Think Time *

What to do if you get stuck...

1. Reread the problem. Did you write it down correctly?
2. Reread your notes. Is there a problem similar that we did together in class?
3. Find a problem similar in your book. Try this one to see if it helps.
4. Skip the problem until the end of Individual Think Time. Then ask an "educated" question of a neighbor or Mrs. Call.

Today we're working by...