Wed 8/22

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Multiplying and Dividing Rational Numbers (specifically fractions)

Objectives: The students will be able to solve problems by multiplying and dividing fractions.

When multiplying fractions, you MUST change mixed numbers to improper fractions. You do NOT get a common denominator. Cross cancel if at all possible. Some of the fractions include negative numbers. Follow your integer rules.

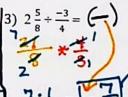
Simplify. All answers should be in simplest form.

1)
$$\frac{8}{4} * \frac{1}{82} = \frac{1}{8}$$

When dividing fractions, you MUST change mixed numbers to improper fractions Then change to multiplying by the reciprocal ONLY then can you cross cancel

Simplify. All answers should be in simplest form.

1)
$$\frac{6}{7} \div \frac{2}{3} =$$
2) $-\frac{5}{9} \div \frac{10}{3} =$
3.3. $-\frac{9}{9}$



4)
$$-3\frac{3}{5} \div -2\frac{7}{10} = (+)$$

$$\frac{18}{5} \div \frac{27}{10}$$

$$\frac{18}{5} \div \frac{27}{10}$$

Distributive Property with Fractions Use the word "of "when multiplying

3.
$$-\frac{1}{5}(5x+10) =$$

$$-x+2$$

