## **Curriculum Outcome**

N1: Demonstrate an understanding of rational numbers by: comparing and ordering rational numbers; solving problems that involve arithmetic operations on rational numbers.

Student Friendly: "Dividing fractions and decimals "

## Dividing Rational Numbers

Remember FRACTIONS are just numbers!

**THUS** 

The properties are still the same.

 $(+) \div (+) = (+)$ 

\* When two rational numbers have the <a href="mailto:same sign">same sign</a>, their quotient is **positive**.

$$(-) \div (-) = (+)$$

\* When two rational numbers have the <u>different signs</u>, their quotient is <u>negative</u>.

$$(+) \div (-) = (-)$$

$$(-) \div (+) = (-)$$

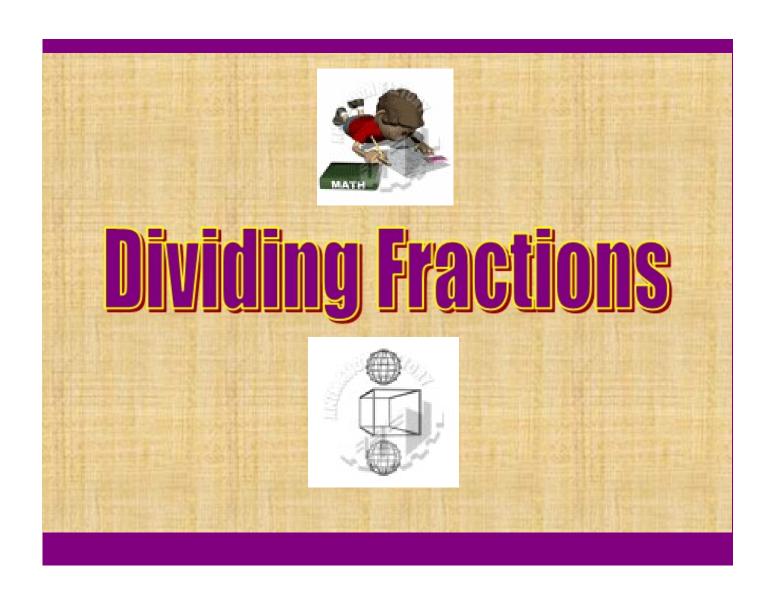
Determine the sign of each quotient

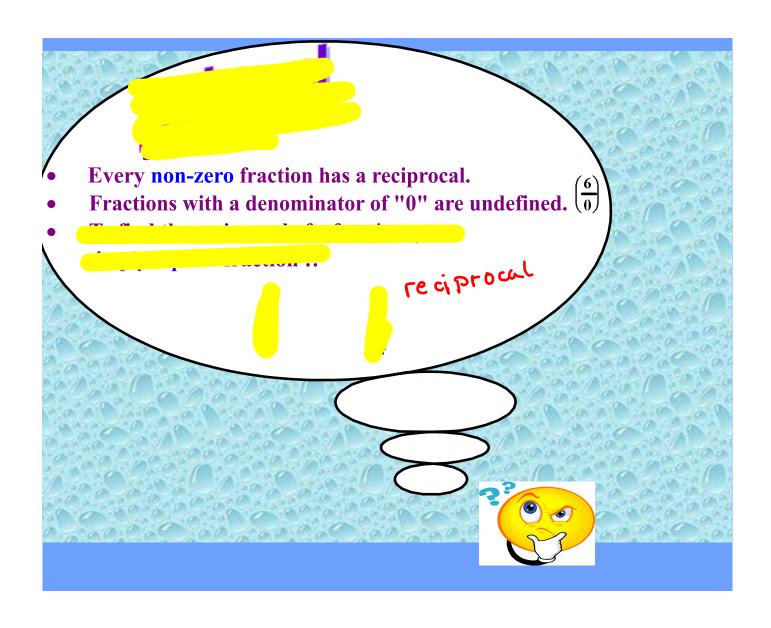
a) 
$$\left(\frac{-3}{4}\right) \div \left(\frac{-7}{8}\right)$$

b) 
$$\left(\frac{-2}{5}\right) \div \left(\frac{6}{7}\right)$$

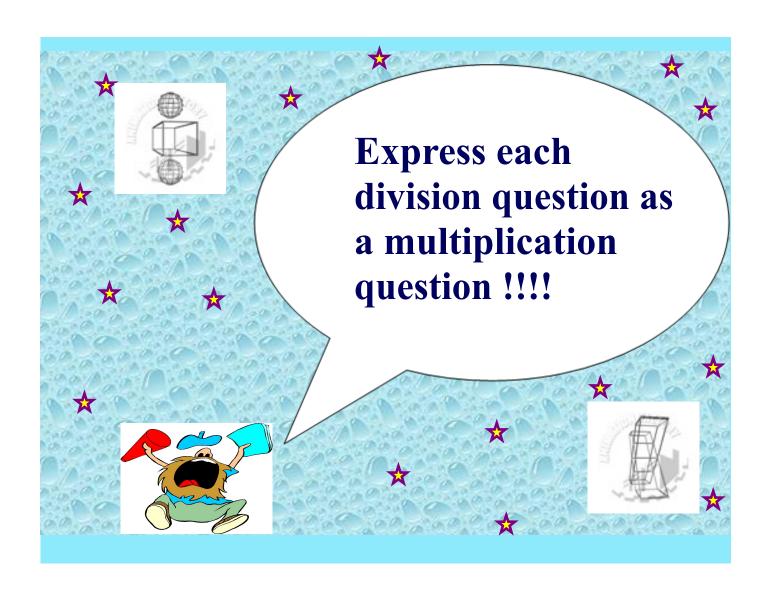
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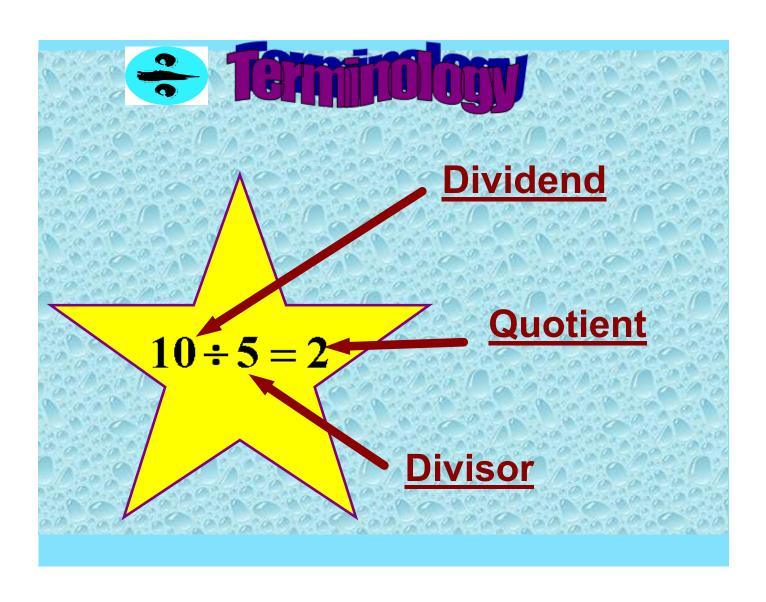


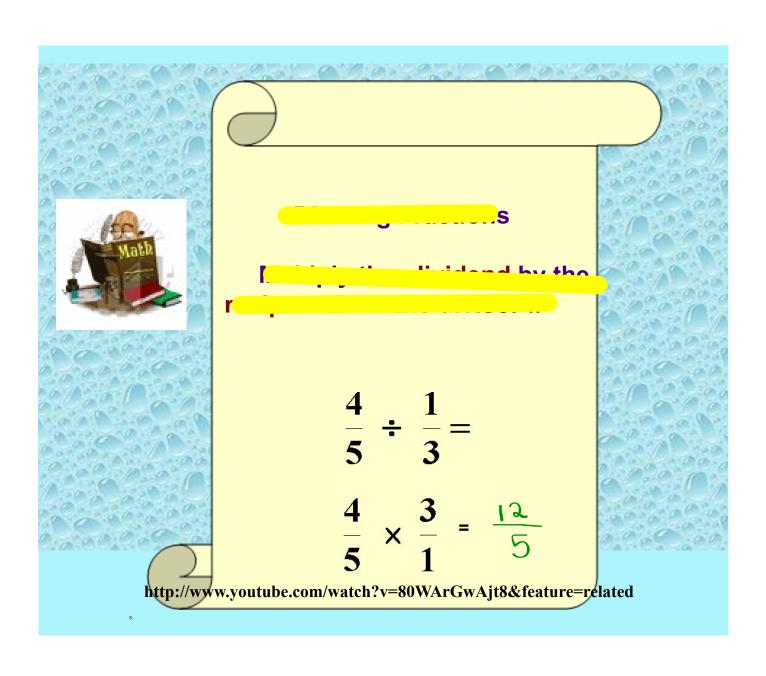




$$-2/5 = -11 - 5$$





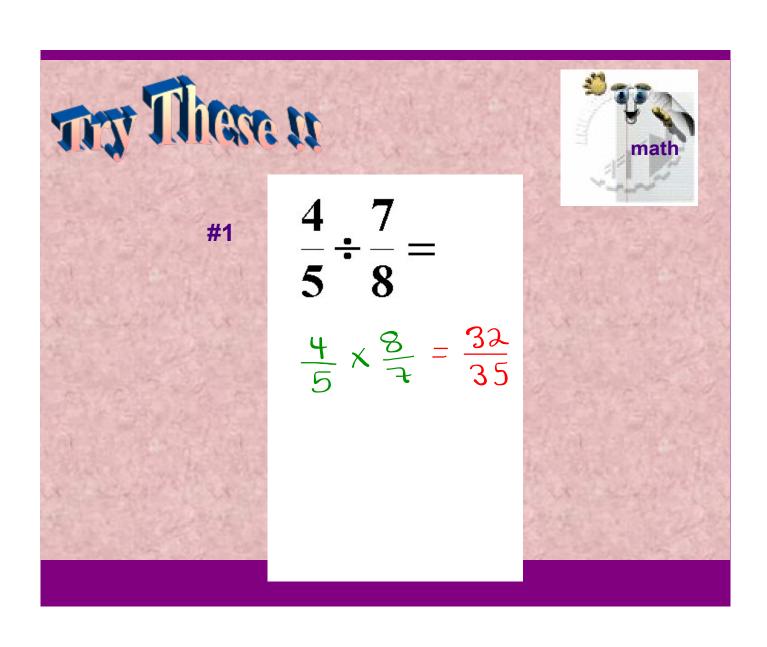


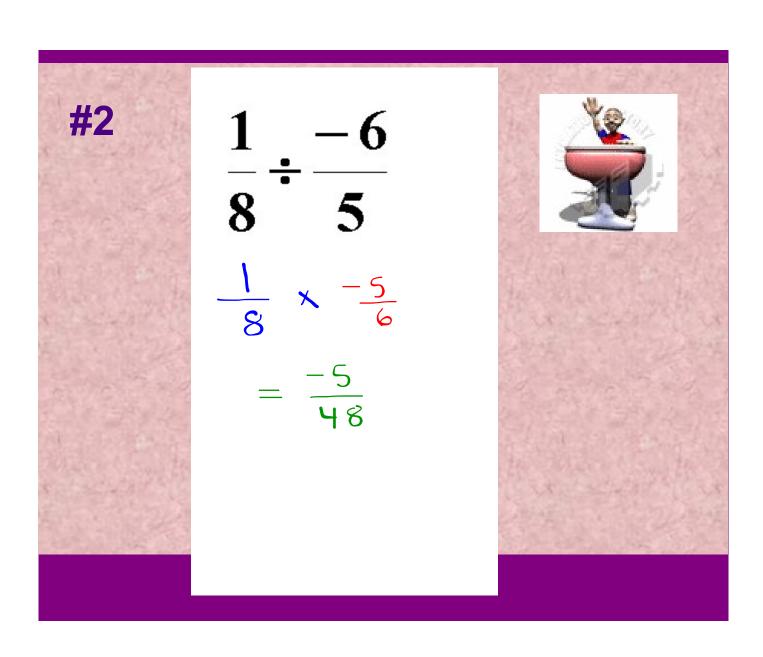
http://www.youtube.com/watch?v=80WArGwAjt8&feature=related why to flip and multiply?

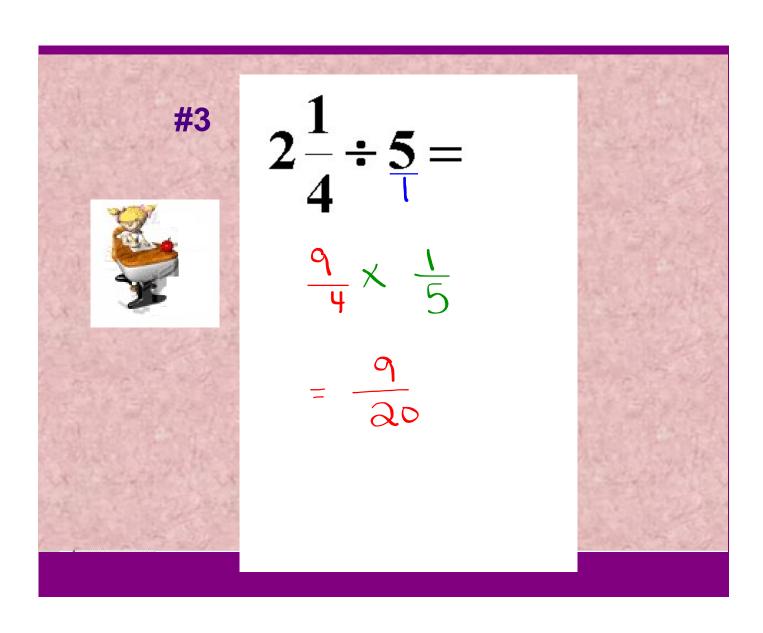
 $http://www.youtube.com/watch?v=05rL51fIamk\&feature=channel\\^{fraction\ rap}$ 

http://www.youtube.com/watch?v=OGUaN-F80NA&NR=1

http://www.youtube.com/watch?v=7GaeC4lPaSo







## Class / Homework

## **Practice Problems**

Page 134-136

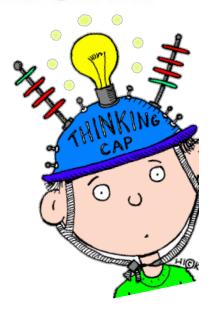
3ace

4

8

9 a, c, e

Fraction Rap



Write out the questions and then show all work to get to the answer.