

Warm-Up

Evaluate the following expressions:

1)
$$\left(-\frac{2}{7}\right)\left(\frac{-1}{3}\right)$$

2)
$$\left(-3\frac{3}{4}\right)\left(-2\frac{1}{3}\right)$$

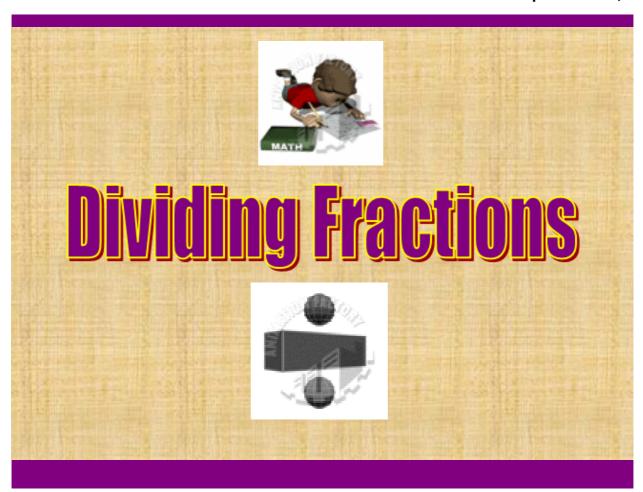
$$\left(-\frac{15}{4}\right)\left(-\frac{7}{3}\right)^{3}$$

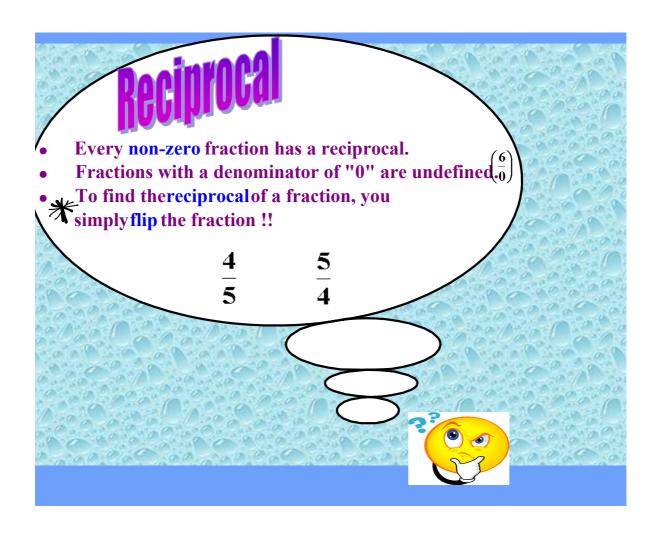
$$\frac{105}{12} = 8\frac{3}{12}$$

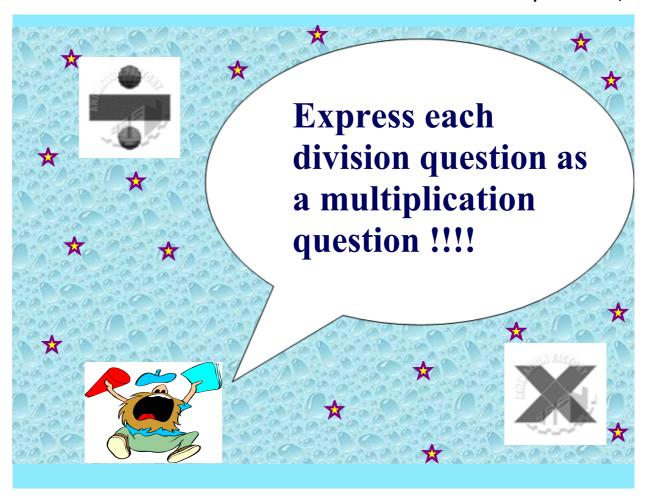
Determine the sign of each quotient

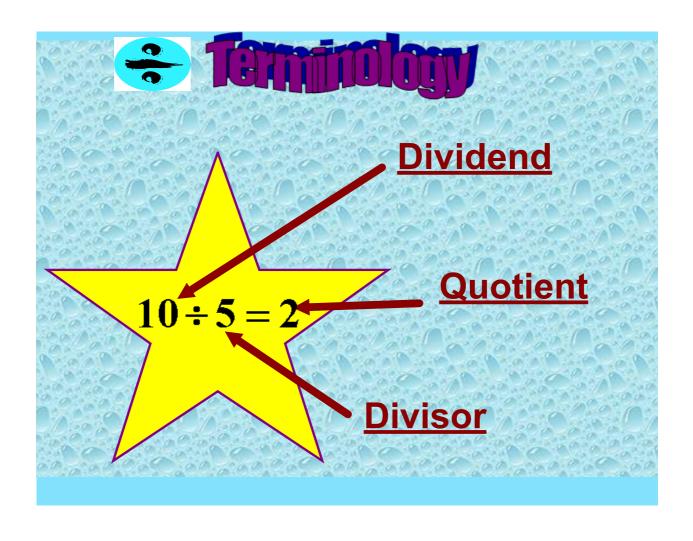
a)
$$\left(\frac{-3}{4}\right) \div \left(\frac{-7}{8}\right)$$

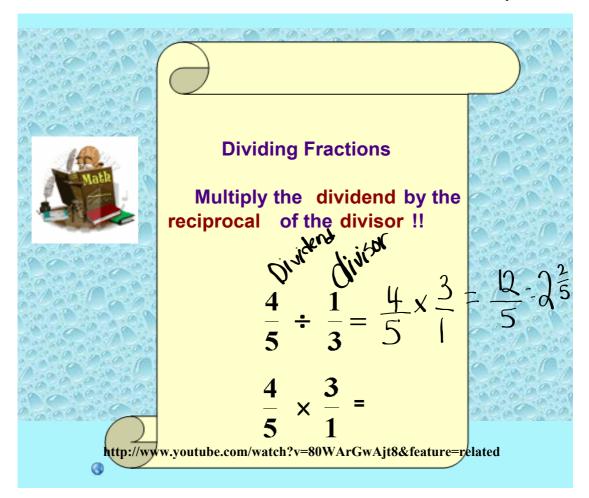
b)
$$\left(\frac{-2}{5}\right) \div \left(\frac{6}{7}\right)$$

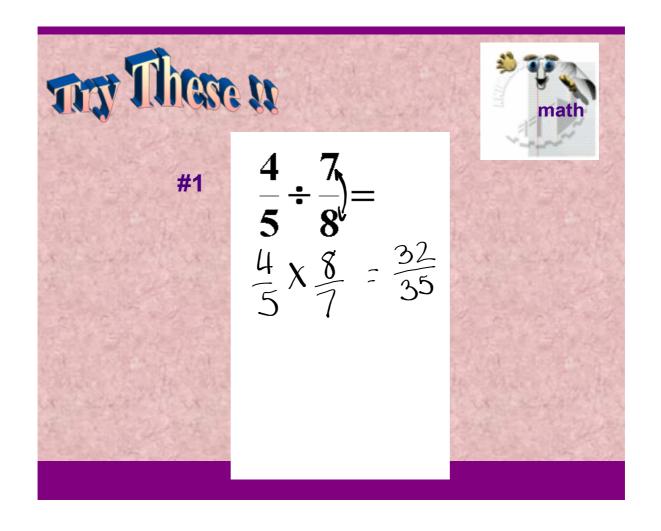












#2

$$\frac{1}{8} \div \frac{-6}{5}$$

$$\frac{1}{8} \times \frac{5}{6} = \frac{-5}{48}$$



#3



$$2\frac{1}{4} \div 5 =$$

$$9 \div 5$$

$$9 \times \frac{1}{5} = \frac{9}{20}$$

nne the missing number in

Division is the inverse of Multiplication.

To Solve for Missing Dividend take Divisor X Quotient

$$() = 3 \times 4$$



Now with Rational #s You Try

A)
$$\left(\begin{array}{c} \frac{5}{11} \\ \frac{5}{11} \\ \frac{3}{7} \\ \frac{15}{77} \\ \frac{15}{77}$$

B)
$$52.9^{\circ} \div 12.6 = 4.2$$

Missing Divisor

$$15 \div (\underline{3}) = -5$$

Think:

Quotient is negative thus the BLANK must be what sign?

*To solve for missing Divisor Dividend + Quotient take

$$15 \div () = -5$$



You Try

1)
$$-2.5 \div \underline{-0.5} = 5$$

 $-2.5 \div 5$

$$\cdot 2) \qquad \left(\frac{-12}{21}\right) \div \left(\frac{96}{65}\right) = \frac{5}{8}$$

$$\begin{array}{ccc}
 & \cdot 2 \\
 & \cdot 3 \\
 & \cdot 4 \\
 & \cdot 4 \\
 & \cdot 5
\end{array}$$

$$\begin{array}{c}
 & \cdot 3 \\
 & \cdot 3$$

Class / Homework

