Name_____

Date _____Period_____

Dividing Fractions with Negatives

Dividing Fraction Rules:

1. You don't need common denominators
2. You can't multiply mixed numbers or whole numbers
   a. They must be turned into improper fractions
3. LCR→ Leave the first fraction, change division to multiplication, find the Reciprocal of the second fraction.
4. Follow all multiplication rules.

Follow integer division rules (tic-tac-toe)

Solve. Make sure your answers are in simplest form.

1. $\frac{1}{3} \div \frac{-4}{5} =$ $-\frac{5}{12}$

L C R

$\frac{1}{3} \cdot \frac{5}{4} = \frac{5}{12}$

2. $-\frac{1}{8} \div 3\frac{1}{4} =$ $-\frac{1}{26}$

L C R

$\frac{1}{8} \div \frac{13}{4}$

$\frac{1}{28} \cdot \frac{4^1}{13} = \frac{1}{26}$

3. $-2\frac{2}{5} \div -3\frac{1}{3} =$ $\frac{18}{25}$

L C R

$\frac{12}{5} \div \frac{10}{3}$

$\frac{12}{5} \cdot \frac{3}{10_5} = \frac{18}{25}$

4. $-7 \div \frac{5}{8} =$ $-\frac{56}{5}$ or $-11\frac{1}{5}$

L C R

$\frac{7}{1} \div \frac{5}{8}$

$\frac{7}{1} \cdot \frac{8}{5} = \frac{56}{5}$ or $11\frac{1}{5}$