Name _____ Date _____

Dividing Mixed Numbers - Guided Lesson Explanation

For all of the problems we follow these two steps:

Step 1. Find the reciprocal of the divisor.

Step 2. Flip the division sign to multiplication.

Step 3. Multiple the numerators and then the denominators.

Explanation#1

Find the inverse of 4/6 by swapping the numerator and the denominator.

6/4

Multiply the numerators. Then, multiply the denominators.

$\frac{4}{6} \times \frac{6}{4} = \frac{24}{24} = \frac{1}{1}$

Answer is: 1

Explanation#2

Find the inverse of 6/4 by swapping the numerator and the denominator.

4/6

Multiply the numerators. Then, multiply the denominators.

$\frac{7}{4} \times \frac{4}{6} = \frac{28}{24} = \frac{7}{6}$

Answer is: 7/6

Explanation#3

Find the inverse of 8/9 by swapping the numerator and the denominator.

9/8

Multiply the numerators. Then, multiply the denominators.

$\frac{6}{3} \times \frac{8}{9} = \frac{48}{27} = \frac{16}{9}$

Answer is: 16/9