Fractions

_____ and _____ have common denominators.

Fractions

The fraction _____ has a numerator of _____ and a denominator of _____.

Fractions

To make a mixed fraction like _____ into a improper fraction, you must multiply _____ and _____ and then add _____ to get your numerator and keep your denominator.

The conversion will get you _____.

Example 1

Add or subtract.

$$-\frac{2}{9} - \frac{5}{9}$$

Remember that subtract means to add the opposite.

Combine the numerators. Keep the denominator.

Add the numerators and keep the sign.

Example 2

Add or subtract.

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

Write as improper fractions.

List the multiples of each denominator and find the LCD.

Multiply by fractions equal to "1".

Rewrite with the LCD.

Subtract numerators. Keep the denominator.

Example 3

Multiply.

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

Write $4\frac{1}{2}$ as an improper fraction.

Look for what you can cancel out.

Multiply numerators.

Multiply denominators.

Simplify, if possible.

Example 4

Divide.

$$2\frac{3}{8} \div 2$$

Write as an improper fraction.

Multiply by the reciprocal.

Cancel out, if possible.

Multiply the numerators.

Multiply the denominators.

Simplify, if possible.