

**LESSON****4-1****Applying GCF and LCM to Fraction Operations****Reteach****How to Multiply a Fraction by a Fraction**

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

$$\frac{2}{3} \cdot \frac{3}{8} = \frac{6}{24}$$

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

Multiply numerators.

Multiply denominators.

Divide by the greatest common factor (GCF).

The GCF of 6 and 24 is 6.

**How to Add or Subtract Fractions**

$$\frac{5}{6} + \frac{11}{15}$$

$$\frac{25}{30} + \frac{22}{30}$$

$$\frac{25}{30} + \frac{22}{30} = \frac{47}{30}$$

$$= 1 \frac{17}{30}$$

Rewrite over the least common multiple (LCM).

The least common multiple of 6 and 15 is 30.

Add the numerators.

If the sum is an improper fraction, rewrite

it as a mixed number.

**Multiply. Use the greatest common factor.**

1.  $\frac{3}{4} \cdot \frac{7}{9}$

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2.  $\frac{2}{7} \cdot \frac{7}{9}$

\_\_\_\_\_

3.  $\frac{7}{11} \cdot \frac{22}{28}$

\_\_\_\_\_

4.  $8 \cdot \frac{3}{10}$

\_\_\_\_\_

5.  $\frac{4}{9} \cdot \frac{3}{4}$

\_\_\_\_\_

6.  $\frac{3}{7} \cdot \frac{2}{3}$

\_\_\_\_\_

**Add or subtract. Use the least common multiple.**

7.  $\frac{7}{9} + \frac{5}{12}$

\_\_\_\_\_

8.  $\frac{21}{24} - \frac{3}{8}$

\_\_\_\_\_

9.  $\frac{11}{15} + \frac{7}{12}$

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