**Lesson 6 Reteach**

***Fluently Add and Subtract Rational Numbers: Unlike Fractions***

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| To add or subtract fractions with different denominators,• Rename the fractions using the least common denominator (LCD).• Add or subtract as with like fractions.• If necessary, simplify the sum or difference. |

**Example**

**Determine** $\frac{2}{3}+\frac{1}{4}$**.**



**Method 1** Use a model.

 $\frac{2}{3}$

 $+ \frac{1}{4}$

 $\frac{11}{12}$

**Method 2** Use the LCD.

$\frac{2}{3}+\frac{1}{4}=\frac{2}{3}•\frac{4}{4}+\frac{1}{4}•\frac{3}{3}$ Rename using the LCD, 12.

 $=\frac{8}{12}+\frac{3}{12}$ or $\frac{11}{12}$ Add the fractions.

**Exercises**

**Add or subtract. Express in simplest form.**

 **1.** $\frac{1}{2}+\frac{3}{4}$ **2.** $\frac{3}{8}-\frac{1}{2}$

 **3.** $\frac{7}{15}+\left(-\frac{5}{6}\right)$ **4.** $\frac{2}{5}-\frac{1}{3}$

 **5.** $\frac{5}{9}+\left(-\frac{5}{12}\right)$ **6.** $\frac{11}{12}-\frac{3}{4}$

 **7.** $\frac{7}{8}-\left(-\frac{1}{3}\right)$  **8.** $\frac{7}{9}-\frac{1}{2}$

 **9.** $\frac{3}{10}+\frac{7}{12}$ **10.** $\frac{3}{5}+\frac{2}{3}$