Name _____

Reteaching
**9-7**

# Adding Fractions with Unlike Denominators

Danisha ate $\frac{2}{3}$ cup of yogurt at breakfast. She ate $\frac{1}{4}$ cup of yogurt at lunch. How much yogurt did she eat today?

You can add fractions with unlike denominators.

**Step 1:** Find the least common denominator of the two fractions.

**multiples of 3:** 3, 6, 9, 12, 15
**multiples of 4:** 4, 8, 12, 16, 20

$\frac{2}{3} = \frac{8}{12}$ and $\frac{1}{4} = \frac{3}{12}$

**Step 2:** Once you have equivalent fractions with the same denominator, add the numerators.

$8 + 3 = 11$

So, $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$.

**Step 3:** Place the sum over the common denominator and simplify your fraction if possible.

Danisha ate $\frac{11}{12}$ cup of yogurt today.

For **1** through **5**, find each sum. Simplify if possible.

**1.** $\begin{array}{r} \frac{3}{5} \\ +\ \frac{1}{6} \\ \hline \end{array}$

**2.** $\begin{array}{r} \frac{2}{9} \\ +\ \frac{2}{6} \\ \hline \end{array}$

**3.** $\begin{array}{r} \frac{3}{8} \\ +\ \frac{3}{12} \\ \hline \end{array}$

**4.** $\frac{1}{4} + \frac{1}{6} + \frac{3}{4} =$

**5.** $\frac{2}{9} + \frac{1}{9} + \frac{1}{6} =$

**6.** Kevin and some friends baked different loaves of bread and cut them into different numbers of slices. They ate $\frac{1}{4}$ of one loaf, $\frac{1}{4}$ of another, $\frac{5}{12}$ of another, and $\frac{1}{12}$ of another. Did they eat the equivalent of a whole loaf?

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**7.** Cathy wakes up at 7:00 A.M. each morning. She spends $\frac{1}{10}$ hour making her bed, $\frac{1}{5}$ hour eating breakfast, and $\frac{1}{2}$ hour getting ready for school. How long does Cathy spend doing these things each morning?

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