Name

## Subtracting Fractions with Unlike Denominators

You can subtract fractions with unlike denominators by using the least common multiple (LCM) and the least common denominator (LCD).

Beth wants to exercise for  $\frac{4}{5}$  hour. So far, she has exercised for  $\frac{2}{3}$  hour. What fraction of an hour does she have left to go?



In 1 through 7, find each difference. Simplify if possible.



<b>5.</b> $\frac{7}{12} - \frac{1}{4} = $ <b>6.</b> $\frac{5}{6} - \frac{3}{8} = $ <b>7.</b> $\frac{23}{24} - $	$-\frac{7}{8} = $
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**8.** Natasha had  $\frac{7}{8}$  gallon of paint. Her brother Ivan took  $\frac{1}{4}$  gallon to paint his model boat. Natasha needs at least  $\frac{1}{2}$  gallon to paint her bookshelf. Did Ivan leave her enough paint?

Name

Practice

9-8

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Find the difference. Simplify if necessary.



- **13.** The pet shop owner told Jean to fill her new fish tank  $\frac{3}{4}$  full with water. Jean filled it  $\frac{9}{12}$  full. What fraction of the tank does Jean still need to fill?
- **14.** Paul's dad made a turkey potpie for dinner on Wednesday. The family ate  $\frac{4}{8}$  of the pie. On Thursday after school, Paul ate  $\frac{2}{16}$  of the pie for a snack. What fraction of the pie remained?
- **15.** Gracie read 150 pages of a book. The book is 227 pages long. Which equation shows the amount she still needs to read to finish the story?
  - A 150 n = 227C n 150 = 227B 227 + 150 = nD n + 150 = 227
- **16.** Why do fractions need to have a common denominator before you add or subtract them?