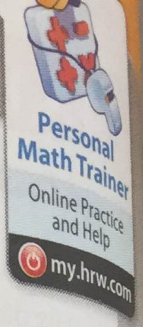
Ready to Go On?



4.1 Applying GCF and LCM to Fraction Operations

Solve.

1. $\frac{4}{5} \times \frac{3}{4}$ $\frac{3}{5}$

2. $\frac{5}{7} \times \frac{9}{10}$ $\frac{9}{14}$

3. $\frac{3}{8} + 2\frac{1}{2}$ $2\frac{7}{8}$

4. $1\frac{3}{5} - \frac{5}{6}$ $\frac{23}{30}$

4.2 Dividing Fractions

Divide.

5. $\frac{1}{3} \div \frac{7}{9}$ $\frac{3}{7}$

6. $\frac{1}{3} \div \frac{5}{8}$ $\frac{8}{15}$

7. Luci cuts a board that is $\frac{3}{4}$ yard long into pieces that are $\frac{3}{8}$ yard long. How many pieces does she cut? 2

4.3 Dividing Mixed Numbers

Divide.

8. $3\frac{1}{3} \div \frac{2}{3}$ 5

9. $1\frac{7}{8} \div 2\frac{2}{5}$ $\frac{25}{32}$

10. $4\frac{1}{4} \div 4\frac{1}{2}$ $\frac{17}{18}$

11. $8\frac{1}{3} \div 4\frac{2}{7}$ $1\frac{17}{18}$

4.4 Solving Multistep Problems with Fractions and Mixed Numbers

12. Jamal hiked on two trails. The first trail was $5\frac{1}{3}$ miles long, and the second trail was $1\frac{3}{4}$ times as long as the first trail. How many miles did Jamal hike? $14\frac{2}{3}$ miles

ESSENTIAL QUESTION

13. Describe a real-world situation that is modeled by dividing two fractions or mixed numbers.

Sample answer: You want to divide $3\frac{3}{4}$ pounds of grapes into bags that hold $\frac{3}{4}$ pound each. Divide $3\frac{3}{4}$ by $\frac{3}{4}$ to find that you can fill 5 bags.