Lesson 6

Homework

Activity 1

Add, subtract, multiply, and divide the following fractions. Be careful to use the correct strategy. Simplify the answers if necessary.

1. $\frac{1}{2} + \frac{3}{4}$
2. $\frac{4}{5} - \frac{2}{3}$
3. $\frac{1}{6} \div \frac{1}{2}$
4. $\frac{2}{5} \cdot \frac{1}{3}$
5. $\frac{2}{6} - \frac{1}{9}$
6. $\frac{3}{5} \div \frac{1}{5}$

Activity 2

Give the reciprocal for each of the numbers.

Model 8

Answer: $\frac{1}{8}$

1. $\frac{1}{3}$
2. $\frac{4}{5}$
3. 9
4. $\frac{6}{8}$
5. 10
6. $\frac{2}{7}$

Activity 3

Give the missing part in the problems involving reciprocals.

Model $4 \cdot \underline{\hspace{1cm}} = 1$

Answer: $\frac{1}{4}$

1. $\underline{\hspace{1cm}} \cdot \frac{4}{5} = 1$
2. $\frac{3}{2} \cdot \underline{\hspace{1cm}} = 1$
3. $5 \cdot \frac{1}{5} = \underline{\hspace{1cm}}$
4. $\frac{7}{8} \cdot \underline{\hspace{1cm}} = 1$
5. $\underline{\hspace{1cm}} \cdot \frac{1}{8} = 1$
6. $\frac{4}{3} \cdot \frac{3}{4} = \underline{\hspace{1cm}}$

Activity 4 • Distributed Practice

Solve.

1. Find the first six multiples of 5 and 10. Give the common multiples.

2. What are the common factors of 8 and 12?

3. What is the least common denominator for the problem $\frac{1}{3} + \frac{1}{4}$?

4. What is the greatest common factor of 56 and 64?

5. $160 - 78$
6. $32 \cdot 9$
7. $150 \div 4$
8. $1{,}027 + 873$
9. $411 \cdot 3$
10. $600 \div 30$