Name _____ Date _____

Skills Maintenance
Simplifying Ratios

Activity 1

Simplify the ratios.

Model	$\frac{4}{8}$ $\frac{1}{2}$

1. $\frac{5}{10}$ _____

2. $\frac{3}{12}$ _____

3. $\frac{8}{24}$ _____

4. $\frac{6}{30}$ _____

5. $\frac{7}{21}$ _____

6. $\frac{6}{24}$ _____

7. $\frac{2}{32}$ _____

8. $\frac{25}{50}$ _____

9. $\frac{14}{49}$ _____

10. $\frac{36}{81}$ _____

11. $\frac{33}{121}$ _____

12. $\frac{4}{36}$ _____

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Problem-Solving Activity
Solving Word Problems Using Unit Rates

Solve the unit rate problems by making and completing the proportion.

1. If milk is 6 cartons for $3.60, how much is just one carton?

    Proportion:

    _____

    The cost for just 1 carton of milk is _____.

2. If you drive 420 miles in 7 hours, how many miles do you drive in just one hour?

    Proportion:

    _____

    How many miles do you drive in an hour? _____

3. If apples are 5 for $2.00, how much is just one?

    Proportion:

    _____

    The cost for just 1 apple is _____.

4. If you can go on 5 rides for 25 tickets, how many tickets for just one ride?

    Proportion:

    _____

    The number of tickets for just one ride is _____.

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Problem-Solving Activity

Examine the special pricing situations and determine the better deal by finding the unit rate. Set up the proportion for a quantity of one, then complete the proportion.

1. Hal's Grocery sells apples 12 for $2.40. If it costs $0.25 for 1 apple, is 12 for $2.40 the better deal?

   _____

2. Nature's Snax sells fruit snacks by the pouch for $0.50 or in a 12–pack for $5.00. Which is the better price?

   _____

3. Natalie's school is selling raffle tickets as a fund-raiser. There are 2 packets of tickets you can buy. You can buy 10 tickets for $10 or you can buy 4 tickets for $5.00. Which is the better deal?

   _____

4. Suppose you can buy sugarless gum in a pack of 10 sticks for 80 cents. Another pack of sugarless gum comes in a pack of 20 for $1.00. Which pack of gum is the better deal?

   _____

mBook Reinforce Understanding
Use the mBook *Study Guide* to review lesson concepts.