Multiplicative Comparisons

Family Note In this lesson students used comparison statements and equations to represent situations in which one quantity is a number of times as much as another quantity. For example: José saved $5 over the summer. His sister saved 3 times as much. How much money did José's sister save? In this number story students compare the amount of money José saved to the amount his sister saved. Students write the equation $3 * 5 = 15$ to represent this comparison and solve the problem: José's sister saved $15. Because these comparison statements and equations involve multiplication, they are called multiplicative comparisons.

Complete the problems below. Write an equation with a letter for the unknown and solve.

SRB
xxx

1. What number is 7 times as much as 9?

   Equation with unknown:

   _____

   Answer: _____

2. What number is 5 times as much as 6?

   Equation with unknown:

   _____

   Answer: _____

3. 32 is 4 times as much as what number?

   a. Equation with unknown: _____

   b. Answer: _____

4. Write an equation to represent this situation and solve.

   Ameer worked 3 times as many hours as Simi each week during the summer. If Simi worked 10 hours each week, how many hours did Ameer work each week?

   a. Equation with unknown: _____

   b. Answer: _____ hours

Practice

5. $7,482 - 7,083 =$ _____

6. $7,702 - 3,581 =$ _____

7. $5,201 - 3,052 =$ _____

8. $8,002 - 5,403 =$ _____