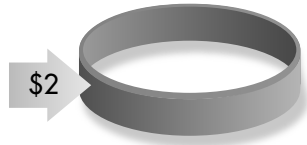


**Additional  
Practice 6-5****Use Comparative  
Relational Thinking  
to Find an Unknown  
Number****Another Look!**

Beren collects items from his favorite basketball team. He has enough money to buy 14 wristbands. How many key chains could he buy instead? Find the unknown number  $k$  in the equation.

$$14 \times 2 = k \times 4$$



How can you find the value of  $k$  using comparative relational thinking? This means to look for relationships between the numbers on opposite sides of the equation and solve without multiplying 14 and 2.

Since 4 is twice 2, 14 needs to be twice  $k$ .  $2 \times k = 14$ ,  $k = 7$ .

Beren could buy 7 keychains.

For **1–10**, find the value of each unknown number.

1.  $47 + n = 37 + 29$

2.  $48 \div 3 = y \div 6$

3.  $2 \times q = 8 \times 30$

4.  $m - 57 = 86 - 58$

5.  $p + 40 = 49 + 38$

6.  $b \div 9 = 60 \div 3$

7.  $2 \times a = 6 \times 25$

8.  $53 - x = 58 - 29$

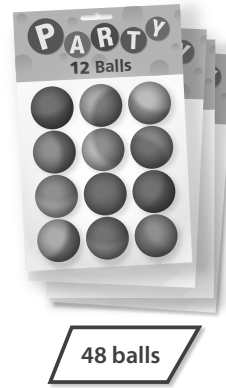
9.  $162 + 156 = 192 + d$

10.  $17 \times 21 = g \times 7$

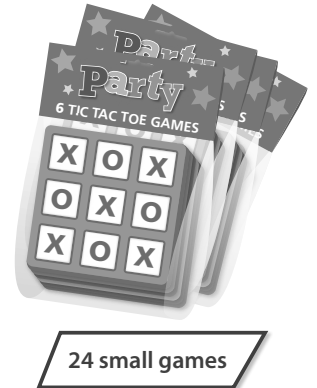


- 11. Reasoning** For her party, Ela's mother buys the treats shown. Ela puts 2 small games in each party bag. How many balls can she put in each bag? Find the value of the unknown number  $b$ . Explain using comparative relational thinking.

$$24 \div 2 = 48 \div b$$



48 balls



24 small games

- 12.** The total area of Florida includes land and water. What is the water area? Explain how to use estimation to check that your answer is reasonable.

Florida Area	
Total Area	65,758 square miles
Land Area	53,997 square miles
Water Area	w

- 13. Critique Reasoning** What mistake did Drew make?

Drew


$$235 - 89 = n - 79$$

$n = 245$  because 89 is 10 more than 79 and

$$235 + 10 = 245$$

- 14. Higher Order Thinking** You know  $3 \times 12 = 12 \times 3$  is true because of the Commutative Property of Multiplication. Write another equation by multiplying the 3 on one side by a small number and the 12 on the other side by the same number. Explain why your equation is true, using comparative relational thinking.

### Assessment Practice

- 15.** Find the unknown number in the equation represented by the balance scale. Explain using comparative relational thinking.  4.OA.1.b

