Assessment : Section A Checkpoint
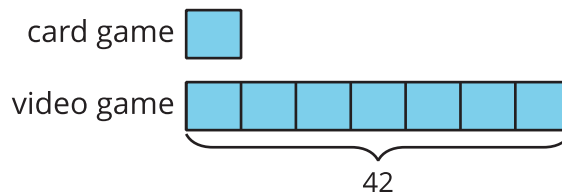
Problem 1

Goals Assessed

- Analyze, describe, and represent multiplicative comparison situations.

Statement

The diagram represents the cost, in dollars, of a card game and a video game.

card game
video game

42

1. Write a statement that compares the cost of the card game and the cost of the video game.
2. Write a multiplication equation that compares the cost of the card game and the cost of the video game.

Solution

Sample responses:

1. The cost of the video game is 7 times as much as the cost of the card game.
2. $7 \times ? = 42$ or $? \times 7 = 42$ or $7 \times 6 = 42$ or $6 \times 7 = 42$

Problem 2

Goals Assessed

- Solve one-step and two-step problems involving multiplicative comparison.

Statement

Han ran 12 miles in a week. That's 3 times as far as Andre ran. How many miles did Andre run during the week? Explain or show your reasoning.

Solution

Andre ran 4 miles since $12 \div 3 = 4$.

Problem 3

Goals Assessed

- Solve one-step and two-step problems involving multiplicative comparison.

Statement

Jada has 23 pennies in her piggy bank. Elena has 4 times as many pennies as Jada in her piggy bank. How many pennies do Jada and Elena have altogether in their piggy banks? Explain or show your reasoning.

Solution

115. Elena has 4×23 or 92 pennies in her piggy bank. Then $23 + 92 = 115$.