

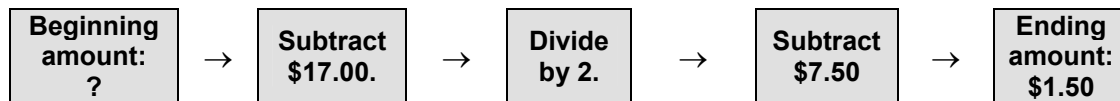
Lesson 9-6

Problem

Juanita went to an electronics store and bought a DVD for \$17. She spent half of her remaining money on lunch at the mall. After lunch, Juanita spent \$7.50 on a new binder for school. This left her with only \$1.50. How much cash did she have at the beginning?

Solve the Problem

The graphic organizer illustrates the steps described in the problem.



To find the beginning amount, work backwards from the end by reversing each step.

Ending amount: \$1.50
Add \$7.50: $\$1.50 + \$7.50 = \$9.00$
Multiply by 2: $\$9.00 \cdot 2 = \18.00
Add \$17.00: $\$18.00 + \$17.00 = \$35.00$.

Addition is the opposite of subtraction.
 Multiplication is the opposite of division.

Juanita had \$35 to begin with.

Check: $\$35.00 - \$17.00 = \$18.00$
 $\$18.00 \div 2 = \9.00
 $\$9.00 - \$7.50 = \$1.50$