Connect to the Real World

You can use the Distributive Property to help you solve problems in everyday life.

A **A store sells MP3 players for $50 each. One day, the store reduced the price by a certain amount, *x*. The store sold eight MP3 players in one hour for a total of $352. By how much was the price of each MP3 player reduced?**

WRITE Fill in the boxes to write the equation that represents this situation.

$$\boxed{} \left(\boxed{} - \boxed{}\right) = \boxed{}$$

Number of   Regular   Amount   Total
MP3 Players   Price   Reduced

SOLVE Solve the equation.

DISCUSS What does your solution mean in terms of the problem?

B **The store also sells cell phones for $40 each. One day, the store reduced the price by a certain amount, *x*. The store sold 12 cell phones for a total of $360. By how much was the price of each cell phone reduced?**

WRITE Fill in the boxes to write the equation that represents this situation.

$$\boxed{} \left(\boxed{} - \boxed{}\right) = \boxed{}$$

SOLVE Solve the equation.

DISCUSS What does your solution mean in terms of the problem?