

Finding Discount

Game system \$400 → original price
\$350 → sale price

* Find the difference

$$\begin{array}{r} 400 \\ - 350 \\ \hline \end{array}$$

\$50 → amount saved

$$\frac{50}{400} = \frac{x}{100} = \frac{400x = 5000}{400 \cdot 400}$$

$$x = 12.5\% \text{ discount!}$$

Try It

Boots regular price \$89
sale price \$62.50

find the difference

$$\begin{array}{r} 89.00 \\ - 62.50 \\ \hline \end{array}$$

\$26.50 = amount saved

proportion

$$\frac{26.50}{89.00} = \frac{x}{100}$$

$$89x = 26.50(100)$$

$$89x = 2650$$

$$\frac{89x}{89} = \frac{2650}{89}$$

$$x = 30\%$$