

Lesson 2-7 *Discount*

Discount is the amount by which the regular price of an item is reduced. The sale price is the regular price minus the discount.

Example

TENNIS Find the price of a \$69.50 tennis racket that is on sale for 20% off the regular price.

Method 1: Subtract the discount from the regular price.

First, find the amount of the discount.

$$\begin{aligned} 20\% \text{ of } \$69.50 &= 0.2 \cdot \$69.50 \\ &= \$13.90 \end{aligned}$$

Write 20% as a decimal.

The discount is \$13.90.

Next, subtract the discount from the regular price.

$$\$69.50 - \$13.90 = \$55.60.$$

Method 2: Subtract the percent of discount from 100%.

$$100\% - 20\% = 80\%$$

Subtract the discount from 100%.

The sale price is 80% of the regular price.

$$\begin{aligned} 80\% \text{ of } \$69.50 &= 0.80 \cdot 69.50 \\ &= 55.60 \end{aligned}$$

The sale price of the tennis racket is \$55.60.

Exercises

Find the sale price to the nearest cent.

1. \$32.45 shirt; 15% discount

2. \$128.79 watch; 30% discount

3. \$40.00 jeans; 20% discount

4. \$74.00 sweatshirt; 25% discount

5. \$28.00 basketball; 50% discount

6. \$98.00 tent; 40% discount

Lesson 7 Skills Practice

Discount

Find the sale price to the nearest cent.

1. \$89.95 DVD player; 5% discount

2. \$75 dress shirt; 20% discount

5. \$140 coat; 10% discount

6. \$65 dress pants; 20% discount

9. \$45.50 book; 30% discount

10. \$52 tie; 50% discount

11. \$35 volleyball; 20% discount

12. \$490 stove; 15% discount

13. \$299 bicycle; 10% discount

14. \$32 shorts; 50% discount

15. \$5 box of cereal; 40% discount

16. \$45 shelf; 35% discount