

Lesson 7 Reteach

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
\$27.58

2. \$128.79 watch; 30% discount
\$90.15

5. \$28.00 basketball; 50% discount
\$14.00

6. \$98.00 tent; 40% discount
\$58.80

Lesson 7 Skills Practice

Discount

Find the sale price to the nearest cent.

1. \$89.95 DVD player; 5% discount

\$85.45

2. \$75 dress shirt; 20% discount

\$60.00

5. \$140 coat; 10% discount

\$126.00

6. \$65 dress pants; 20% discount

\$52.00

9. \$45.50 book; 30% discount

\$31.85

10. \$52 tie; 50% discount

\$26.00

13. \$299 bicycle; 10% discount

\$269.10

14. \$32 shorts; 50% discount

\$16.00

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

\$3.00

16. \$45 shelf; 35% discount

\$29.25