

REVIEW: Estimating and Finding a Discount

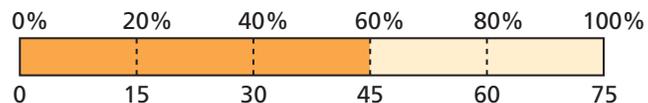
Name _____

Key Concept and Vocabulary

A discount is a decrease in the original price of an item. To find the discount, write the percent as a decimal or fraction and multiply it by the original price of the item.



Visual Model



The sale price of a \$75 necklace with a 60% discount is $\$75 - \$45 = \$30$.

Application Examples

1. The original price of a book is \$18.79. The discount is 20%.

Estimate: Round 18.79 to 20.

$$0.2 \times 20 = 4$$

- ❖ The estimate for the discount is \$4.

Actual: $0.2 \times 18.79 \approx 3.76$

- ❖ The actual discount is \$3.76.
The sale price of the book is $\$18.79 - \$3.76 = \$15.03$.

2. The original price of a pair of in-line skates is \$209.99. The discount is 15%.

Estimate: Round 209.99 to 200.

$$0.15 \times 200 = 30$$

- ❖ The estimate for the discount is \$30.

Actual: $0.15 \times 209.99 \approx 31.50$

- ❖ The actual discount is \$31.50. The sale price of the pair of in-line skates is $\$209.99 - \$31.50 = \$178.49$.

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Estimate the discount. Then find the actual discount and the sale price.

3. **TRUMPET** The original price of a trumpet is \$319.29. The discount is 25%.
\$75; \$79.82; \$239.47
4. **SHOES** The original price of a pair of shoes is \$47.99. The discount is 40%.
\$20; \$19.20; \$28.79
5. **LAMP** The original price of a lamp is \$17.09. The discount is 15%.
\$3; \$2.56; \$14.53
6. **RING** The original price of a ring is \$96.75. The discount is 60%.
\$60; \$58.05; \$38.70
7. **ELECTRONICS** The original price of a home theater system is \$243.89. The discount is 75%.
\$187.50; \$182.92; \$60.97
8. **BASEBALL** The original price of a baseball glove is \$26.99. The discount is 30%.
\$9; \$8.10; \$18.89
9. **SEWING MACHINE** The original price of a sewing machine is \$182.96. The discount is 20%.
\$40; \$36.59; \$146.37