

A graphic with a blue and red gradient background. The word "LESSON" is written in white capital letters at the top. Below it, the number "6.6" is written in large white font.

# Markdown

**Vocab:**

Markdown - discount; the amount off  
( \$ )

Markdown Rate - the % off an item

**LESSON  
6.6****EXAMPLE 1**

Nora Ishino purchased a camcorder at a sale price of \$499.99. The regular selling price was \$549.99. She also purchased a flat screen TV at 30% off the regular price of \$1,499. What was the markdown?

$$\text{cam: } 549.99 - 499.99 = \$50$$

$$\text{TV: } 0.30(1499) = \$449.70$$

$$\underline{\$499.70}$$

**LESSON**  
**6.6**

Find the markdown. Check your answers in the back of the book.

1. Shirts Are Us has a clearance on overstocked merchandise. A long-sleeve V-neck top that usually sells for \$36 is on sale for \$23.

$$\begin{array}{r} 36 \\ - 23 \\ \hline \$13 \end{array}$$

**LESSON**  
**6.6**

Find the markdown. Check your answers in the back of the book.

2. Outerwear coats and jackets are on sale. A leather jacket is on sale for 40% off the regular selling price of \$219.99.

$$0.40(219.99)$$

$$\boxed{\$88.00}$$

**LESSON**  
**6.6****EXAMPLE 2** Algebra

Nels Johanssen noticed an advertisement that said “Save \$75.00 on Chamber three-piece luggage sets, this week only. All Chamber three-piece luggage sets marked down 30%.” What is the regular selling price of a Chamber three-piece luggage set?

$$\frac{0.3x}{0.3} = \frac{75}{0.3} = \$250$$

**LESSON**  
**6.6**

Complete the problem. Check your answer in the back of the book.

3. Cassie Marino is interested in purchasing a new laptop computer for school. It has a markdown of 18%. She could save \$120 if she buys the computer while it is on sale. What is its regular selling price?

$$\frac{0.18x = 120}{0.18} \quad \frac{120}{0.18}$$

$$x = \$666.67$$



# Sale Price

*Vocab:*

Sale Price - Regular price minus the markdown

**LESSON  
6.7****EXAMPLE 1**

Debralee Medford has a 25% off coupon and is purchasing a watch that has a regular price of \$125.00. What is the watch's sale price? What is the sale price using the percent paid method?

$$\begin{aligned}\text{Sale} &= \text{Reg} - \text{Markdown} \\ &= 125 - 0.25(125) \\ &= 125 - 31.25 \\ &= \boxed{\$93.75}\end{aligned}$$
$$\text{Sale} = 0.75(125) = \boxed{\$93.75}$$



**LESSON**  
**6.7**

Find the sale price using the (a) percent off and (b) percent paid methods. Check your answers in the back of the book.

1. The regular selling price of a pair of men's jeans is \$37.99. The markdown rate is 20%.

owe 80%

$$0.80(37.99)$$

$$\boxed{\$30.39}$$

**LESSON**  
**6.7**

Find the sale price using the (a) percent off and (b) percent paid methods. Check your answers in the back of the book.

2. The regular selling price of a computer desk is \$329.99. The markdown rate is 30%.

owe 70%

$$0.70(329.99)$$

$$\boxed{\$230.99}$$

**LESSON**  
**6.7****EXAMPLE 2** Algebra

Talley's marked down a new 19-inch widescreen flat panel monitor 30% if a customer purchased it with a desktop computer. The monitor's sale price was \$199.00. What would be its regular selling price if it was purchased alone?

70% left

$$\frac{0.70x = 199}{0.7} \quad \frac{0.7}{0.7}$$

$$x = 284.29$$

**LESSON  
6.7**

Complete this problem. Check your answer in the back of the book.

3. For its back-to school sale, Freda's Books marked down its entire stock of classic novels 60% from 4 PM to 6 PM on Saturday only. Their sale price during this time is \$12.99. What will the regular selling price be after 6 PM?

Owe 40%

$$\frac{0.40x}{0.40} = \frac{12.99}{0.40}$$

$$x = \$32.48$$