6.5 Coupons and Rebates

Tues. May 10, 2017

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LESSON 6.4

Comparison Shopping

Lesson Objective
Find the best buy based on unit price.

Content Vocabulary
- comparison shopping

GET READY for the Lesson

Have you ever comparison shopped?

Larry O'Rourke wanted to take piano lessons. A local music school offered packages of 5 lessons for $100, 10 for $180, and 20 for $320.

As You Read

Identify What kinds of products do you buy based on comparing prices?

Comparison Shopping You compare the unit prices of products so you can decide which size to buy. If price is the only **factor** to consider, the package with the lowest unit price is the best buy. When you are comparison shopping, or comparing prices to find the best value, you should consider factors other than the lowest unit price. For example, if the largest size product is the best buy per unit, consider whether or not you will use it all before it spoils.

Some stores have a shelf tag that shows the unit price in cents. To change the dollar amount to cents, multiply by 100.

Need Help? Go to...
- Skill 11: Dividing Decimals, p. SK12
- Skill 1: Numbers, p. SK1
- Application A: Formulas, p. AP1

EXAMPLE 1

Tolliver's Groceries sells ranch salad dressing in three sizes. The price of a 16-ounce bottle is \$3.49, of a 20-ounce bottle is \$4.69, and of a 36-ounce bottle is \$6.19. Based on price alone, which package is the best buy?

Step 1: Find the unit price for each item: $\text{Unit Price} = \dfrac{\text{Item Price}}{\text{Measure or Count}}$

16 oz package: $\dfrac{\$3.49}{16} = \$0.21812 \times 100 = \mathbf{21.81¢ \text{ per oz}}$

20 oz package: $\dfrac{\$4.69}{20} = \$0.2345 \times 100 = \mathbf{23.45¢ \text{ per oz}}$

36 oz package: $\dfrac{\$6.19}{36} = \$0.17194 \times 100 = \mathbf{17.19¢ \text{ per oz}}$

Step 2: Find the best buy.

Compare: 21.81¢, 23.45¢, and 17.19¢

The lowest price per ounce is the 36-ounce size; thus, it is the best buy.

C²

Concept CHECK

Find the better buy. Check your answers in the back of the book.

1. Facial tissues: 75-count box for \$1.49; 184-count box for \$2.89.
2. Granola cereal: 14-ounce box for \$2.50; 20-ounce box for \$3.58.

6.6 Markdown

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LESSON 6.6

Markdown

Lesson Objective

Find the dollar amount of the markdown.

Content Vocabulary

- markdown
- markdown rate

GET READY for the Lesson

Why do you think merchants put goods on sale?

While Kumar Davis was shopping for a birthday present for his sister, he noticed a display with fleece pullover hoodies below the sign "Final Markdowns." It was such a good deal that he bought two.

R

As You Read

Explain What is markdown?

Markdown Stores often **promote** products at sale prices, which are lower than their regular selling prices. The **markdown**, or *discount*, is the amount of money that you save by purchasing a product at the sale price. The markdown could be a dollar amount or a **markdown rate**, which is a percent of the regular selling price, such as 20% off. Two formulas determine the markdown:

Markdown = Regular Selling Price − Sale Price

Markdown = Regular Selling Price × Markdown Rate

C

Need Help? Go to...

- Workshop 5: Subtracting Decimals, p. 12
- Application A: Formulas, p. AP1

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?

Step 1: Find the markdown on the camcorder.

Markdown	=	Regular Selling Price	−	Sale Price
$50.00	=	$549.99	−	$499.99

Step 2: Find the markdown on the flat screen TV.

Markdown	=	Regular Selling Price	−	Markdown Rate
$449.70	=	$1,499.00	−	30%

Concept CHECK

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

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?

Let r = Regular selling price of a Chamber three-piece luggage set

Markdown = Regular Selling Price × Markdown Rate

$\$75.00 = r \times 30\%$

$\$75.00 = 0.30r$

$r = \$250.00$

The regular selling price of a Chamber three-piece luggage set is $250.00.

Concept CHECK

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?

W

HOMEWORK

- IN pg 151: 6.5 Activity WS
- IN p 152: 6.6 Activity WS