Lesson 6 Reteach

Sales Tax, Tips, and Markup

100% = 1.0

10690=1.06

Sales Tax is a percent of the purchase price and is an amount paid in addition to the purchase price.

Tip, or gratuity, is a small amount of money in return for service. The amount a store increases the price of an item by is called the markup.

Example 1

SOCCER Find the total cost of a \$17.75 soccer ball if the sales tax is 6%.

Method 1

First, find the sales tax.

6% of \$17.75 =
$$0.06 \cdot 17.75 = 1.065$$

 ≈ 1.07

The sales tax is \$1.07.

Next, add the sales tax to the regular price.

$$1.07 + 17.75 = 18.82$$

The total cost of the soccer ball is \$18.82.

Method 2 SALES TAX

100% + 6% = 106%Souce BALL

Add the percent of tax to 100%.

The total cost is 106% of the regular price.

$$106\% \text{ of } \$17.75 = 1.06 \cdot 17.75 = /8.815$$

≈ 18.82

Example 2

MEAL A customer wants to leave a 15% tip on a bill for \$18.50 at a restaurant.

Method 1 Add tip to regular price.

First, find the tip.

$$15\%$$
 of \$18.50 = 0.15 • 18.50 = 2.78

Next, add the tip to the bill total.

$$$18.50 + $2.78 = $21.28$$

The total cost of the bill is \$21.28.

Method 2 Add the percent of tip to 100%.

$$100\% + 15\% = 115\%$$
 Add the percent of tip to 100%.

The total cost is 115% of the bill.

$$115\%$$
 of $$18.50 = 1.15 \cdot 18.50$
= 21.28

Exercises

Find the total cost to the nearest cent.

5. \$59.99 DVD box set, 6.5% tax

D FIND THE AMOUNT OF TAX 0 FIND THE TOTAL TAX 1002 +6.5% 106.5% B FIND THE TOTAL AMOUNT \$59.99 + \$ 3.90 = \$ 63.89

2 FIND THE TOTAL AMOR 159.49 (1.065) = 63.8893

6. \$37.65 dinner, 15% tip

Lesson 6 Skills Practice

Sales Tax, Tips, and Markup

Find the total cost to the nearest cent.

1. \$49.95 CD player; 5% tax

2. \$69 shoes; 6% tax

5. \$115 coat; 7% tax

6. \$15 lunch; 20% tip

9. \$16 haircut; 15% tip

10. \$8.75 breakfast; 15% tip

13. \$52 lunch; 20% tip

14. \$18.99 CD; 6% markup

15. \$22 haircut; 20% tip

16. \$128 catered dinners; 18% tip