Chapter 2 Practice Questions

Lesson 2

Percent Increase or Decrease

1. Walmart sells a DVD player for \$59.49. Calculate the GST to be paid on the DVD, and then determine the total cost of the DVD player.

Step 1: multiply the original price of the DVD player by the rate of GST. GST amount = $$59.49 \times 5\%$

$$= $59.49 \times 0.05$$

 $= 2.97

Step 2: Add the GST to the original price.

The DVD player will cost \$62.46.

2. Alycia needs a new pair of glasses. The frames are on sale for 30% off. The original price of the frames is \$229.00. What is the sale price of the frames, before GST?

Step 1: multiply the original price by the percent markdown.

$$discount = $229.00 \times 30\%$$

= $$229.00 \times 0.30$
= $$68.70$

Step 2: Subtract the discount from the original price.

The sale price of the frames, before GST, is \$160.30.

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3. Jim owns a leather shop. He buys leather jackets from the manufacturer for \$250 each. Then, he marks the jackets up 75% so he can sell them in his store for a profit. What is the price of the jackets in Jim's store?

Step 1: multiply the manufacturer's price by the percent markup.

markup amount =
$$$250.00 \times 75\%$$

= $$250.00 \times 0.75$
= $$187.50$

Step 2: Add the markup amount to the original manufacturer's price. $store\ price = \$250.00 + \187.50

The price of the jackets in Jim's store is \$437.50.