**8-5 Notes: Sales Tax & Discounts**

SOL 7.4

![MCj02864620000[1]]()**Sales Tax** is an additional amount of money charged on items that people buy. The local, state, and federal governments receive this money. The total price of an item is the regular price plus the sales tax.

**(Virginia’s sales tax is 5% for non-food purchases and 2.5% for food purchases.)**

**Find the Total Cost:**

**A Playstation 3 game costs $60.00, and the sales tax is 5%. What is the total cost of the game?**

**Step 1: Find the sales tax.**

 **(Set up a proportion)**

 **X = % .**

 **Price** **100**

 **(X = sales tax)**

**\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_**

**Step 2: Add the sales tax to**

 **the price.**

**Price + sales tax = total cost**

**\_\_\_\_\_\_ + \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_**

**Try These:**

1. ![MCj02925000000[1]]()A set of golf balls sells for $20.00 and the sales tax is 6%. What is the total cost of the set?

![MCj04375690000[1]]()

1. What is the total cost of a tennis racket if the regular price is $120.00 and the sales tax is 5% ?

**Discount** is the amount by which the regular price of an item is reduced. The **sale price** is the regular price minus the discount.

**Find the Sale Price:**

![MCj03967160000[1]]()

Alan wants to buy a snowboard that has a regular price of $200.00. This week, the snowboard is on sale at a 40% discount. What is the sale price of the snowboard?

**Step 2: Subtract the discount**

 **from the price.**

**Price - discount = sale price**

**\_\_\_\_\_\_ - \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_**

**Step 1: Find the discount.**

 **(Set up a proportion)**

 **X = % .**

 **Price** **100**

 **(X = amount of discount)**

**\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_**

**Try These:**

1. ![MCj04078560000[1]]()Whitney wants to buy a new coat that has a regular price of $70.00. This weekend, the coat is on sale at a 20% discount. What is the discount?
2. FYE is having a sale on all of their CDs. The CDs that are originally $16.00 are 10% off today! What is the sale price of each CD?

![MCj04120120000[1]]()