Learning Objectives:
1. Calculate sales tax, sales tax rate, and total price.
2. Calculate the amount of commission or commission rate.
3. Calculate discount and sale price.

1. Calculating Sales Tax, sales tax and Total price

Formula:
1. Sales tax = Purchase price × Tax rate
2. Total price = Purchase price + Sales tax

Example 1. Find the sales tax and the total price on the purchase of a $230 DVD player where the sales tax rate is 6.5%.

Example 2. The sales tax on a $1050 computer system is $63. What is the sales tax rate?
2. **Calculate the Amount of Commission or Commission Rate**

   **Formula:**  \[ \text{Commission} = \text{commission rate} \times \text{sales} \]

**Example 3.** A book salesman is paid a commission of 3% of her monthly sales. For the month of August, she sold $180,000 worth of books. What was the amount of her commission for the month?

3. **Calculating Discount and Sale Price**

   **Formula:**
   
   1. Amount of discount = Original price \times discount rate
   2. Sale Price = Original price – amount of discount

**Example 4.** Find the sale price and the amount discount when the original price is $58 and the discount rate is 9%.