

# Multiple Discounts with Sales Tax

7<sup>th</sup> Grade Math

Name: \_\_\_\_\_

Key

You may use a calculator to solve each of the following problems. However, you must still show your work by writing out each calculation that you do.

1. A bicycle shop is selling \$500.00 bikes at 10% off. If the sales tax is 6% how much will the bike cost?

$$\text{Disc.} \rightarrow \$500 \cdot .1 = \$50$$

$$\text{S.P.} \rightarrow \$500 - \$50 = \$450$$

$$\text{Tax} \rightarrow \$450 \cdot .06 = \$27$$

$$\text{Final Price} \rightarrow \$450 + \$27 = \$477$$

2. At a restaurant Bryce spends \$40 on a meal for him and Victoria. In addition to the cost of the meal he must pay a 6% sales tax and leave a 15% tip. What is the price of Bryce's bill?

$$\text{Tax} \rightarrow \$40 \cdot .06 = \$2.4$$

$$\text{Price} \rightarrow \$40 + \$2.4 = \$42.4$$

$$\text{Tip} \rightarrow \$42.4 \cdot .15 = \$6.36$$

$$\text{Total} \rightarrow \$42.4 + \$6.36 = \$48.76$$

3. Bailey bought a pair of jeans that regularly cost \$60. They are on sale for 20% off. However she must pay 6% sales tax. What is the cost of her jeans?

$$\text{Disc.} \rightarrow \$60 \cdot .2 = \$12$$

$$\text{S.P.} \rightarrow \$60 - \$12 = \$48$$

$$\text{Tax} \rightarrow \$48 \cdot .06 = \$2.88$$

$$\text{Total} \rightarrow \$48 + \$2.88 = \$50.88$$

4. Mrs. Roy wants to buy a brand new pair of boots that cost \$150.00. She has a coupon for 15% and today only Amazon is having a 10% off sale for all shoes. What is her total cost after both discounts and tax?

$$1^{\text{st}} \text{ Disc.} \rightarrow \$150 \cdot .15 = \$22.5$$

$$1^{\text{st}} \text{ S.P.} \rightarrow \$150 - \$22.5 = \$127.5$$

$$2^{\text{nd}} \text{ Disc.} \rightarrow \$127.5 \cdot .1 = \$12.75$$

$$2^{\text{nd}} \text{ S.P.} \rightarrow \$127.5 - \$12.75 = \$114.75$$

$$\text{Tax} \rightarrow \$114.75 \cdot .06 = \$6.89$$

$$\text{Total} \rightarrow \$114.75 + \$6.89 = \$121.64$$

5. Miss Roy goes to the grocery store and spends \$230.00 on grocery. Meijer gives her a 10% discount because she is a teacher, and she also has a 15% coupon on her entire order. What is the cost of her grocery after both discounts and sales tax?

$$1^{\text{st}} \text{ Disc} \rightarrow \$230 \cdot .1 = \$23$$

$$1^{\text{st}} \text{ S.P.} \rightarrow \$230 - \$23 = \$207$$

$$2^{\text{nd}} \text{ Disc} \rightarrow \$207 \cdot .15 = \$31.05$$

$$2^{\text{nd}} \text{ S.P.} \rightarrow \$207 - \$31.05 = \$175.95$$

$$\text{Tax} \rightarrow \$175.95 \cdot .06 = \$10.56$$

$$\text{Total} \rightarrow \$175.95 + \$10.56 = \$186.51$$