

Name \_\_\_\_\_ Date \_\_\_\_\_

## Percentage at the Restaurant Guided Lesson Explanation

1. Start by determining the cost of the wings before the discount:

$$\$0.25 \times 78 = \$19.50$$

Now apply the 20% discount to your meal:

$$100\% - 20\% = 80\% = 0.8 \text{ (decimal form)}$$

$$\$19.50 \times 0.8 = \$15.60$$

**Your wings will cost \$15.60.**



2. An easy way to add the tip to total cost is to multiply the bill total by:

$$100\% \text{ (total cost)} + \text{tip}\%$$

$$100\% \text{ (cost of bill)} + 22\% \text{ (determined tip percentage)} = 122\%$$

122% in decimal format is 1.22.

$$1.22 \times \$82.64 = \$100.82$$

**The total bill (bill + tip) = \$100.82**

3. We start by determining the number of people the bill is split between:

$$\text{You (1)} + 5 \text{ friends} = 6 \text{ people}$$

$$\$173.40 \div 6 \text{ people} = \text{cost per person} = \$28.90$$

**The cost per person is \$28.90**

