

Name: ..... Class: .....

## Percents-calculate, tax, tip, mark-up and more

1. Richard pays \$299.50 for a puppy and marks the price up by 80%. What is the amount of the mark-up?
2. Rita took her friends out for dinner. Their bill at the restaurant was \$200.00. She left a 15% tip. What was the cost of their dinner, including the tip?
3. Julie is a sales person. She sold a play station for \$450 and earned a 10% commission. How much commission did Julie earn?
4. At Susan's store, the sales tax is charged at the rates of 6%. John buys six T-shirts at the price of \$230.60. Find the tax and the total price John paid for the 6 T-shirts? Round your answer to the nearest cent.
5. Last week, Rex bought a new DVD player for a price of \$35.25. If the sales tax is 7%, what was the total amount of the DVD player? Round your answer to the nearest cent.
6. Paul is a salesperson. If he sold a TV set for \$1,095 and earned a 15% commission, how much commission did Paul earn?
7. Mary and her family went out to eat at their favorite restaurant. The bill for the food was \$75.00. Her father left a 20% tip for the waiter. What should be paid to the waiter as tip? What was the total cost of their meal (including the tip)?

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1. Richard pays \$299.50 for a puppy and marks the price up by 80%. What is the amount of the mark-up?

Convert 80% to a decimal =  $80 \div 100 = 0.80$ .

Multiply the original price by 0.80.

$$\begin{array}{r}
 299.50 \leftarrow \text{two decimal places} \\
 \times \quad 0.80 \leftarrow \text{two decimal places} \\
 \hline
 00000 \\
 + 2396000 \\
 \hline
 2396000 \leftarrow \text{answer will have 4 decimal}
 \end{array}$$

$$\begin{aligned}
 \text{So, } 2396000 \text{ in 4 decimal places} &= \$239.6000 \\
 &= \$239.6.
 \end{aligned}$$

Therefore, the amount of the mark-up= \$239.6.

2. Therefore, the total cost of their dinner was \$230.00.
3. Therefore, Julie earned \$45.0 commission.
4. So, the tax is \$13.84 and the total price that John paid is \$244.44.
5. The total amount of the DVD player was \$37.72.
6. So, he earned a commission of \$164.25.
7. So, the tip was \$15.00 and the total cost of their meal including the tip was \$90.00.