

Discount, Tax, and Tip Worksheet

Name: _____

Discount: The amount saved and subtracted from the original price of an item to get the discounted price.

Procedure:

1. The rate is usually given as a percent.
2. To find the discount, multiply the rate (as a decimal) by the original price.
3. To find the sale price, subtract the discount from original price.

Example: In a video store, a DVD that sells for \$15 is marked, "10% off". What is the discount? What is the sale price of the DVD?

Solution: The rate is 10%.

The discount is: $0.10 \times \$15.00 = \1.50

The sale price is calculated as follows:

\$15.00	original price
- 1.50	- discount
\$13.50	sale price

Answer: The discount is \$1.50 and the sale price is \$13.50.

- 1) In a department store, a \$40 dress is marked, "Save 25%." What is the discount? What is the sale price of the dress?

- 2) In a grocery store, a \$12 case of soda is labeled, "Get a 20% discount." What is the discount? What is the sale price of the case of soda?

- 3) In a candy store, a \$5.00 jar of candy is labeled, "50% off." What is the discount? What is the sale price of the jar of candy?

- 4) In a bicycle store, a \$500 bicycle is marked, "Get a 30% discount." What is the sale price of the bicycle?

Tax: A tax on sales that is paid to the retailer. You need to add the sales tax to the price of the item to find the total amount paid for the item.

Procedure:

1. The rate is usually given as a percent.
2. To find the tax, multiply the rate (as a decimal) by the original price.
3. To find the total cost, add the tax to the original price.

- 5) If the sales tax rate is 7.25% in California, then how much would you pay in Los Angeles for a pair of shoes that cost \$39.00?
- 6) The price of a new car is \$29,990. If the sales tax rate is 6.5%, then how much sales tax is being charged? What is the total cost for the car including tax?
- 7) If the sales tax rate is 7.375% in New York State, then how much sales tax would you pay in Albany for a \$34 pair of pants?
- 8) At best buy they have a 42" TV that sells for \$1250 and is on sale for 15% and sales tax is 6.5%. What is the final cost? (Hint: Calculate the discount first and then the tax).

Tip: An additional amount paid to a person in the service industry for a service provided such as a server at a restaurant or a worker at a salon.

Procedure:

1. The rate is usually given as a percent.
2. To find the tip, multiply the rate (as a decimal) by the original price.
3. To find the total cost, add the tip to the original price.

9) The Smith family went to eat at Buffalo Wild Wings. The bill was \$43.86. They gave the server a 15% tip. What is the cost of the tip? How much did they pay altogether?

10) Joe and three friends went to Texas Roadhouse for dinner. The total bill was \$76.25. They left the server a 20% tip. How much was the tip? What was the total bill? How much should each person pay?

11) If you go out to eat with 3 friends and your meal was \$72.50, there is 6.75% sales tax and you should tip the waiter 15%. How much should each person pay?