

Interview Directions

Sample Interview

Name: Your Name

Person Interviewed: Bill Jones

Career: Health Club Manager

Career Description: Bill is in charge of the daily operation of a health club. This includes staffing, and giving tours to perspective new members. He frequently helps people during their workouts.

Percents used in career: Bill is in charge of calculating the percent of people who become members after he has given them a tour. He also calculates body composition.

Example 1: Bill took 20 people on tour last week and 3 of them became members. What percent of them became members?

Example 2: Bill calculated the body composition of one their members. He found that the 150 pound woman has 20% body fat. How much fat does she have?

Interview Notes:

Your Name: _____

Person Interviewed: _____

Career: _____

Career Description: _____

How does your interviewee use percents in their career? _____

Example 1: _____

Example 2: _____

Poster Requirements:

Using your interview notes, create a poster, collage, or graphic organizer to display your information. Be creative and make it appealing.

Buying Concert Tickets

Your favorite group is coming to town for a concert next month. At the door, the cost of one ticket is \$30 plus 5% tax.

1. What will it cost for 2 tickets including tax?
2. What will 15 tickets cost, including tax?
3. When you buy advance tickets, you get a 12% discount.
What will 15 tickets cost, including tax, if you buy them in advance?
4. Which is the better buy, buying 10 tickets at the door or buying 12 tickets in advance? Justify your answer.

Going Shopping

For your birthday, you may choose any 3 items from this catalogue. Select 3 items from the catalogue, and fill in the order form below. Calculate total price including tax.

Item	Quantity	Price
TOTAL		
5% Sales tax		
Shipping & handling		\$ 4.50
Total amount due		

Now choose 2 items from the catalogue, and compute a 15% discount. Complete the order form below. Calculate the total price including tax.

Item	Quantity	Price	Sale Price
TOTAL			
5% Sales tax			
Shipping & handling			\$ 4.50
Total amount due			

Writing about your results:

Explain in your own words how to find the amount of tax for your total purchase.

Compare and contrast the process for calculating discounts and tax.

Writing Assessment

Directions: Write a letter to me or a friend. Your letter needs to be in appropriate friendly letter form. Address each of the items listed below.

- Explain what a percent is using mathematical vocabulary
- Discuss 2 or 3 real-life situations where percents are found and used.
- Explain how to find the percent of a number. Justify your knowledge with an example problem.
- Discuss approach used to determine the best buy of an item
- Evaluate percents by answering the following questions:
 - What did you like best?
 - What did you like least?
 - If you were the teacher, what would you have done differently?

Creating A Menu

Your final project is to construct a menu. It must meet the following guidelines:

- It must be original.
- It must be based on a theme.
- It must be named appropriately.
- It must contain a selection of twenty food and beverage choices that include:
 - 15% being beverages
 - 25% being appetizers
 - 40% being entrees
 - 20% being desserts

You must turn in five written questions with your menu. Four of these questions must involve percents. You must include an answer key on a separate piece of paper. The questions should show variety and should be neatly written and well organized.

Sample Question:

Choose one item from each category. What will your total cost be if you include 5% sales tax and a 15% tip?

Peer Evaluation
Menu Review Sheet

Name of Menu: _____

Evaluators: _____

Constructed By: _____

Rate the menu you are reviewing in each of the following areas. Use a scale of 1 (low) to 4 (high).

Menu was appealing and creative	1	2	3	4
Food items were appropriate	1	2	3	4
Questions were understandable	1	2	3	4
Overall neatness and organization	1	2	3	4
Menu and questions complete (If not, what's missing?)	1	2	3	4

What suggestions would you make to the constructor to improve their menu.

Scoring Rubric
Letter Writing Exercise

- 2 Letter is well developed and provides more than enough information to inform the reader about percents. Explanation is extended by utilizing specific details and by using a clearly stated problem. Letter is well organized and addresses the proper audience.
- 1 Letter provides little development and has minimal amount of information. Explanation does not clearly explain percents and the example is vague or inaccurate. An organizational plan is minimally established or not maintained. The writer may not address the intended audience.
- 0 Blank, No letter
Off topic, off task
Unscorable letter or incomprehensible

Final Project Rubric
Menu Assessment

Scale	Organization of Data	Formulating Appropriate Questions	Understanding of the Problem and Accuracy of Answer Key
3	<p>Well Organized</p> <p>Display is visually appealing</p> <p>Contains adequate solutions</p>	<p>Provides complete, well developed extended questions</p> <p>Utilizes a variety of questioning techniques</p> <p>Provides all relevant questions</p>	<p>Responses are clearly developed, complete, and accurate</p> <p>Shows an understanding of math ideas and processes</p>
2	<p>Organized</p> <p>Adequately displayed</p> <p>Contains selections</p>	<p>Provides complete, developed questions</p> <p>Provides some relevant questions</p>	<p>Responses are partially developed, fairly complete and accurate</p> <p>Shows a general understanding of math ideas and processes</p> <p>Includes some strategy and computational errors</p>
1	<p>Ineffectively organized</p> <p>Ineffectively displayed</p> <p>Selections did meet guidelines</p>	<p>Questions do not meet guidelines</p> <p>Provides irrelevant questions</p>	<p>Responses are attempted but may be incomplete and may be muddled</p> <p>Shows little understanding of math ideas and processes</p> <p>Includes major strategy and computational errors</p>