

Job Specific Mathematic Skills

Job Specific Mathematic Skills

- Job Specific Mathematic Skills is using mathematical reasoning and processes to accomplish job-specific tasks.
- Or, knowing what Math skills you need to perform certain jobs.
- THE MAIN PURPOSE OF A BUSINESS is to maximize profits for its owners, and in the case of a publicly-traded company, the stockholders are its owners. ... Philosophers often assert that businesses should abide by some legal and social regulations.

How Do People Use Math to Communicate

Information and Solve Problems?

- Statistics is used to improve everyday decision-making by presenting complex data in an understandable form.
- Statistics is commonly used to solve work-related problems using measurements of mean, median, and mode.
- When used correctly, statistics provide information about trends related to what has happened in the past, and this information can be useful in predicting what may happen in the future.

Statistics

- Statistics is the practice or science of collecting and analyzing numerical data in large quantities.
- David always have a 10 question quiz in his Math class. His average on all of his quizzes is a 91%. More than likely what will David get on his next quiz?
 - 90% because missing one answer would be a 90%, missing 2 would be 80%, and missing none would be 100%.
- Remember Statistics show a trend and David tends to get 90% on most of his quizzes. This do not mean he will get a 90% for sure but more than likely he would.

Finance

- Finance is the management of large amounts of money, especially by governments or large companies.
- Finance allows you to create a spending plan for your money, it ensures that you will always have enough money for the things you need and the things that are important to you.
- People that don't budget their money properly can lose their house, car, and find themselves not having enough money to do simply things like buy groceries.

Finance

- Gives you control over your money – A budget is a way of being intentional about the way you spend and save your money.
- Keeps you focused on your money goals – You avoid spending unnecessarily on items and services that do not contribute to attaining your financial goals.
- Finances no matter if it's personal or business related, often is the biggest downfall in many situations.

Finance

- Jenny makes \$600 a week. She saves \$150 of that \$600 so she can buy a new car. The car she wants to buy costs \$1,500. How many weeks does Jenny need to save money to buy this car?
 - 10 weeks
- What percent of her money is she saving each week?
 - 25%.
 - $150/600 = .25,$
 - $.25 \times 100 = 25\%$

Running Your Own Business

- Revenue is the amount of money a person or a company brings in.
- Expenses is all the money a company or person spends to run a company.
 - This includes employees, electricity, and buying material.
- Profit is the amount of money a company or person make after they subtract the expenses from the revenue.

Running Your Own Business

- Tiffany owns her own company. Every day she sells 100 games for \$10 each. She has to pay 30% of that money to her employees. She also have to spend another 30% of her revenue on bills. Find out how much Revenue she made? Find out how much is her expenses? Find out how much profit she made?
 - Revenue = \$1,000
 - Expenses = \$600
 - Profit = \$400