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Foundations of Mathematics

Writing Assignment

Foundations of Mathematics is the basic concepts of mathematical thinking and stratergies. As a student in high school I never understood why they required us to take so many math classes, such as algebra, geometry, trigonometry, and also pre-algebra, simply because some of these subjects, preferably trigonomety would never be required for me in my everyday adult life. Now that I am older I have a better understanding why they made us take so many math classes in high school. There are also many different jobs that require mathematicatical skills, including retail store chains, banking, and even carpenting.

 Retail stores requires much more knowledge of mathematical skills, especially those who have to write up budgets. Writing budgets include the basic concepts od adding, subtracting, multplying and dividing digits in order to come up with a budget within the companies financies. Cashiers also have to have the basic foundational skills of math. If a cash register’s were to shut down the cashier would have to count out the exact change to the customer by hand. One great math concept that was taught in Foundations of Mathematics was the counting up and counting back method by 10’s and 100’s when adding and subtractingthis particular conceptis apart of mental math, which is considered way better than actually using your fingers to add and subtract numbers. In addition, the use of money in the public setting such as being able to calculate tax, paying for an item, or something as simple as buying a hamburger, all depend upon math skills. Although many transactions may involve the use of a debit/credit card, people may still be able to use money in their everyday life concept was apart of mental math.

 Banking is a managing money business where money has to be carefully checked, iniformed, and valued. All bankers have to have an understanding knowledge of mathematical foundation concepts. In order for bankers to calculate loan payments they will have have an understanding of math formulas. Handling transactions at the bank is not considered a simple matter, and a bank teller will need to know a great deal of mathematics in order to manage customers accounts. Even the cutomers that have banking accounts need to be familiar with mathematical concepts.

Carpentening also requires a great deal of mathematical skills. A carpenter accquitly measures the lenght and ply wood while making furniture. Because carpenters tend to work with several tools and different machines they need to have adequate math skills. Carpenters must use their supplies to cut or shape materials to s specific dimension. Some math skills that carpenters use includes arithmetic, algebra, geometry, and statistics along with others to measure materials precise. They also have to use estimating skilss another technique learned in Foundations of Mathemeatics to calculate sizing, quantity and distance in materials. Accurate measurements are important to a carpenters practice. One therweom that carpenter’s use is the “Pythagorean Theorem to detrmine the measurements and length of the rafter, also called the hypotenuse.

 In conclusion, Mathematical abilities are very important in our everyday living. Math skills mainly numeracy and problem thinking are not only essentially important to everyday job duties but also are a strong guide of vast mental abilities. Without it we will not be able to manage our bank accounts, build houses, run reatil stores, or able to prepare food for our wonderful meals.