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The Impacts of Mathematics on the Ancient and Modern World

Without knowing math, you would not be able to easily function in modern society. This genius invention has formed vast impacts on our world. Mathematics was invented by the greeks. Surprisingly, the Greeks only used prime numbers. Their math was incredibly complex to what we have nowadays. In the math world, mathematicians have made modern math simple to understand for a wide range of individuals. Although, in ancient times, math was an intellectual interest. Aristotle, Pythagorus, and Euclid are some of the most well known math philosophers. Ancient Greek math used compasses as the Greeks as well believed that irrational numbers were not real numbers. The development of mathematics by the Greeks had a significant impact, as it influenced architecture, and led to the study and analysis on geometry.

The invention of math is used in countless ways. When math comes to mind, one may love it or hate it. Although, it's a lot more than what meets the eye. Math shapes our world, making our understanding of the way the world works easier. Math is used in almost every job, approximately 94% of jobs involve some form of math as it leads to a great impact on modern society and architecture. Some may find the math they learn in school pointless, but in reality, it opens you to more opportunities in the world. Math is

like a building block, we use it when building, cooking, finance, etc. To go in further depth, in building, math is used to calculate the layout to determine how much material is needed. Cooking/baking is all about measurements. Measuring the amount of liquid that goes into a pot, or measuring the amount of flour in a recipe. Without a measurement it makes cooking/baking more complicated. Obviously with finance, it requires money. With money, you use it for funding, taxing, etc. Therefore, math is needed in everyday life. Additionally, math is perfect when planning. Planning for a big party requires critical thinking such as; amount of invitations needed to be sent, amount of food, etc. Thus, showing math is used in a variety of ways such as cooking/baking and finance. With this invention, everything is much more efficient and fast.

One of the greatest impacts of math would be architecture. As stated in (Staff, DE, and DE Staff); geometry, algebra, and trigonometry are all used in architecture. Most likely, you are in a building at this very moment. Buildings provide a vast variety of important necessities for us such as storage, shelter, safety, and so on. So, when there is a tornado, it is best to get to an underground shelter for protection. Continuing on, architecture dates back all the way to the Neolithic period 10,000 years ago. Historians learn about ancient civilizations in the Neolithic period through construction and agriculture. “It is easy to think of architecture in terms of its visual attractiveness, yet this desire to construct an architectural artifact was fuelled by more than just the need for beauty” (Urban Design Lab). Furthermore, architecture affects the way we see history. Which is proven by Cartwright Mark. We learn about ancient civilizations in many ways and architecture is one of them. This dates all the way back to paleolithic

and neolithic times where we learn about the humans in that time period who created shelter for themselves instinctively. Adding on, when you think of ancient buildingsThe Great Wall of China, Temple of Artemis, and so on may come to mind. Archaeologists study these magnificent structures with acknowledgement of the architecture and mathematics (Urban Planning). Concluding this paragraph, architecture is much more than just buildings. They make history all with the help of math.

How mathematics impacted Ancient Greece and in modern day. As Violatti Cristian stated, “Even before Euclid, the focus of Greek mathematics was more abstract and less practical than other ancient cultures”. As previously stated, in 600 BC the Greeks made mathematics hard and complicated only for the most intelligent to comprehend. Fortunately, mathematicians resculpted math into a more comprehensible subject nowadays. These claims are proven true from Violatti, Cristian. The Greeks have as well created a system for tax purposes. To this day, tax still exists (3 Ancient Greek Mathematics). Focusing more on modern day math, the majority use math daily. Almost all daily necessities require math. To further back up this statement, jobs like; GIS analyst, interior designer, mathematics teacher, etc require the acknowledgement and understanding of geometry (STEM Platform). Lastly, time is incredibly important and very much requires math. Example: It's 3PM and you have a meeting at 5PM. In this instance, one would have to calculate the amount of time to find the amount of time you would have before said meeting. Ending off with, math has impacted not only ancient lives, but ours.

In regards to math, it presents a variety of brand new opportunities for us. Math has one of the largest impacts on our world as it is used in our life daily. Additionally, math is used in almost every single job and household. Many people find math that they learn in school useless, but in reality, it's opening them to more possibilities. If you were to not learn math, it would immediately crush all of the opportunities you are given. Daily chores will be much more difficult without the knowledge of basic math. Math is involved in everything, not just math class.

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