

IMPORTANCE MATHEMATICAL NUMERACY AND LITERACY IN TEACHING MATHEMATICS

by:

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One of the most critical variables in the creation of the human resources required for a nation's progress in all spheres is, by far, education. In its broadest meaning, education refers to any activity that significantly influences someone's cognitive, skill, and attitude development. It consists of various subjects that everyone should be taught and trained in. One of the oldest fields, mathematics, is taught in every school system globally.

For other people, math literacy is comparatively foreign. Previous studies found that although certain countries still lack mathematical literacy, it is crucial for 21st-century society. Primary mathematics education continues to face significant challenges related to understanding mathematical concepts; a person needs to be able to prepare for their job as a student who studies independently for their entire life and to address real-world problems. This global issue necessitates applying the abilities and knowledge gained from experiences in education and daily life. Mathematization is the primary procedure for this, making the students leave the framework of the real world. Numeracy, another name for mathematical literacy, is equally important. Understanding and employing the specialized vocabulary used in math classes is just the beginning. It is the capacity to solve problems and use logic and reason to interpret and explain. It is the capacity to use facts, information, or numbers to resolve issues in the actual world. It makes it possible for students to use, understand, and put into practice mathematical principles in both the classroom and in daily life. To achieve the skill, students must comprehend the vocabulary and be able to "read" and "write" with it. Reading can take many forms, just as decoding equations and reading texts are homework examples in math classrooms. By

strengthening their numeracy abilities, they can better comprehend their surroundings. Students can better grasp the world we live in by improving their numeracy. They can budget, strategize, estimate, and predict numerous situations by understanding how fundamental mathematics functions and if they have an embedded grasp of how the teacher teaches mathematics from elementary to tertiary. Due to the teacher's inherent knowledge of essential mathematics functions, students can improve their numeracy and comprehension of the world.

As educators, we can help our students improve their numeracy abilities so they can confidently walk out of the classroom. Learning environments that integrate cognitive, social, and emotional skills should be offered to students, and teachers must assist students in developing their academic literacy and giving them the resources they need to flourish in the modern world (OECD 2015). The Department of Education should prioritize early learners' literacy and numeracy, according to a collaborative research center financed by the Australian government and entrusted with advising the government on enhancing the fundamental education system. Every student needs a solid foundation in literacy if they are to excel in both school and life. Good reading, writing, speaking, and listening skills are necessary for efficient communication. Building math literacy can help students understand the language of mathematics. Understanding the mathematical language is crucial since math is used everywhere. We use math as a tool to understand our surroundings. We can assist our students in developing comfortable with and confidence in the number realm by regularly exposing them to mathematics. One's chances of succeeding in school and life are increased by learning arithmetic early in early grades.

References:

<https://www.reptonabudhabi.org/the-importance-of-mathematical-literacy/>

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