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The reasoning proficiency

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The Australian Curriculum: Mathematics (ACARA) (Australian Curriculum Association), 2013. Reasoning Proficiency

and Problem solving

The term problem solving is used in the Australian Curriculum: Mathematics (ACARA) (Australian Curriculum Association), 2013. It refers to the process of identifying a question or problem, devising a strategy to solve it, and implementing that strategy to find a solution. Problem solving is an essential part of mathematical thinking and involves a range of cognitive and metacognitive skills. The Australian Curriculum emphasizes the importance of problem solving in mathematics, as it helps students develop critical thinking, reasoning, and communication skills. Problem solving is also an important tool for students to apply their knowledge and skills to real-world situations, making mathematics relevant and meaningful to them.


Mathematical Discourse

Schools should recognize that mathematics is a discipline and a body of knowledge, and that it is the tools and techniques that support and organize this knowledge. They should also recognize that mathematics is a language and a communication tool, and that it is the tools and techniques that support and organize this knowledge.

Rich Investigative Mathematical Tasks

Although the tasks may be of the form of the classroom, they should not be limited to those that are traditional. They should be designed to encourage students to explore and develop their mathematical thinking. This may involve the use of problem-solving tasks, investigations, and explorations, which allow students to develop their own strategies and reasoning.

Reasoning

The reasoning properties of mathematical concepts are essential for developing students' understanding of mathematics. These properties are an integral part of the mathematical thinking process. They enable students to make sense of mathematical ideas and to develop their own reasoning skills. The reasoning properties are based on the understanding of the concepts and the ability to apply them in different situations. These properties are essential for developing students' ability to think logically and critically.
Ipads in Education

The use of ipads in education has become increasingly popular in recent years. The flexibility and accessibility of these devices allow for a variety of educational applications, enhancing the learning experience for students. In this article, we will explore the benefits of using ipads in a math class and discuss the potential impact on student engagement and comprehension.

Teaching Mathematics
Mathematicians and educators recognize the potential of ipads in teaching mathematics. The interactive nature of these devices allows for a more engaging and dynamic approach to teaching math concepts. Students can interact with mathematical problems in real-time, receiving immediate feedback on their progress.

A number of schools have integrated ipads into their mathematics classrooms, providing students with access to a wide range of educational resources. These resources include apps, online tutorials, and interactive math problems that simulate real-world scenarios.

Using an Ipad

By using an Ipad in a math class, students can enhance their understanding of complex concepts. The visual representations and dynamic visualizations available on ipads can help students visualize mathematical relationships and patterns, fostering a deeper understanding of the material.

References