THE INTERSECTION OF MATH FACTS AND NUMBER SENSE: A HOLISTIC APPROACH

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Learning math facts and developing number sense are essential skills for success in mathematics. Math facts, such as multiplication tables and basic arithmetic operations, provide the foundation for more advanced mathematical concepts and problem-solving. Number sense, on the other hand, refers to the ability to understand and work with numbers in a flexible and intuitive way. Both math facts and number sense can be developed through a variety of approaches, and the best approach will depend on the individual student and their learning style.

One effective approach to learning math facts is through the use of drill and practice. Drills provide a structured and repetitive way for students to practice math facts, which helps to build automatic recall and fluency. This can be done through flashcards, worksheets, or online games and quizzes. Additionally, timed tests or competitions can also be used to increase the student's fluency and speed.

Another approach to learning math facts is through the use of mnemonics and visual aids. Mnemonics are memory aids that can be used to help students remember math facts such as the acronym "HOMES" for the Great Lakes or the "9 times table song" to remember the nine times table. Visual aids such as diagrams and manipulatives, can also be used to help students understand and visualize math concepts, which can aid in their retention and recall of math facts.

To develop a number sense, one approach is through the use of hands-on activities and manipulatives. Manipulatives such as base ten blocks, number lines, and fractions

circles, provide a concrete way for students to understand and work with numbers. Hands-on activities, such as sorting and classifying objects or playing math games, can also help students develop their number sense in a fun and engaging way.

Another approach is through the use of real-world problem-solving. By providing students with real-world problems and encouraging them to use mathematical concepts and skills to solve them, students can develop their number sense and critical thinking skills. It also helps them to see the relevance and application of math in their daily lives.

References:

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