

## STUDENTS' ABILITY TO READ AND SOLVE WORD PROBLEMS

by:

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Every learner has to be able to read and understand complex texts. The capacity to read and comprehend material is a cornerstone of academic achievement. On the other hand, solving word problems is an integral part of mathematics that necessitates using students' reading comprehension skills. This paper will examine the connection between students' reading comprehension and their ability to solve word problems, using research that has shown this connection.

Building one's vocabulary, reading fluency, and comprehension strategies are essential to the reading process. According to research by Boonen et al. (2016), student's ability to successfully solve semantically complicated word problems correlates with their reading comprehension skills. This study is an improvement over previous studies since it identifies the exact word problem types and student demographics for which reading comprehension skills matter. This research demonstrates that proficient readers (as determined by the RME mathematics test) have an advantage when solving semantically complicated word problems. Reading comprehension helps students translate complex (i.e., marked) relational concepts encountered in inconsistent word problems to the correct mathematical operation (in this case, addition), which is a critical step in solving word problems.

According to Nicolasa and Ematab's (2018) study, students' problem-solving abilities, especially in ordering, integrating, and critical thinking, can be improved by applying an integrative approach facilitated by reading comprehension.

In conclusion, understanding what you read thoroughly is crucial for answering any word problem. According to several studies, those who can read and understand what they read are more likely to solve word problems correctly and quickly. In addition, studies have linked reading comprehension with the capacity to grasp the problem's underlying structure. Teachers must provide specific instruction in reading comprehension strategies for students to acquire the knowledge and abilities essential to solving word problems effectively.

### *References:*

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