



Contexto, estructura y analogías en la resolución de problemas verbales algebraicos por maestros de primaria en formación [

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text (article)

Analítica

This study analyses the influence of word problem's context and structure, and capturing the structure and using analogies on problem-solving. A 2x3x2 factorial design was used with two between-subjects variables - capturing the structure and the use of analogies- and one withinsubjects variable -structural complexity of word problem-. Two types of booklets containing two word problems that differ from each other in structure (and each type of booklet having problems of different context) and questions about capturing the structure and using analogies in problem solving, were administered to 66 third-year pre-service primary teachers from the same university (University of Valencia,Spain). The results of the ANOVAs showed that: a) Problems increase in difficulty when they have complex structure and low familiarity context, and b) Capturing the structure and the use of analogies are needed to solve structurally complex problems

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es