

MATHEMATICAL WRITING OF INTERMEDIATE SCHOOL'S LEVEL THREE FEMALE STUDENTS IN RIYADH CITY AND ITS RELATION WITH MATHEMATICAL THINKING

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Purpose of the Study: The study sought to discover the level of mathematical thinking in mathematical writing among the female students of the intermediate third-level in Riyadh, and thus determine the relationship between the levels of mathematical writing and mathematical thinking among the female intermediate students of the third level.

Methodology: In this research, the descriptive and analytical method is used. The analytical descriptive method was used to analyze 68 books of mathematics textbooks. The study tools consist of the mathematical writing analysis card for the records of the students and to measure their mathematical thinking.

Main Findings: The development of mathematical thinking in mathematics education is the main domain of this research. Through the paper, the researcher explains the students' mistakes in their mathematical writing.

Applications of this study: The results of this study may serve to guide teachers to take care of student writing, the importance of providing a track record for students' writing and their training in the integrity of mathematical writing, showing them understanding and teaching them to provide appropriate learning.

Novelty/Originality of this Study: In light of the results of the study, the researcher suggests conducting studies such as: determining the relationship between the level of mathematical writing among students and other variables such as achievement, mental ability and problem-solving. The study may also be conducted on the relationship between the teaching practices of the mathematics teachers in the mathematical communication between the students and the construction of a training program to develop the written communication among the students.

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