



THE DEVELOPMENT OF THE CONCEPTS ABOUT SIMILARITY AND RATIO IN MATHEMATICS EDUCATION

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ABSTRACT. *In our article we focus on the connections between some topics of mathematical curriculum at all level of primary and secondary school. These topics are similarity, homothety, ration and fractions. We mention about the motivation and the creativity in problem posing process as an important aspect of education. The creation of the tasks which are connected with one picture on different level of education is presented as an example of mentioned processes. We used a photo of geometrical garden as a motivation tool. We wanted to show one of the possible approach, how to use real life object for the creation of the geometrical problems in various levels of difficulty.*

KEY WORDS: *ratio, similarity, geometrical task, education*

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