



THE ROLE OF DIGITAL MATERIALS IN DEVELOPING THE ESTIMATION ABILITY IN ELEMENTARY AND SECONDARY SCHOOL MATHEMATICS

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ABSTRACT. *One of the main tasks of school mathematics is to create the connection between school mathematics and the real world by viewing different real situations from a mathematical perspective and creating mathematical models. In real life we rarely need a precise calculation, most of the time an estimation is enough. Linking school mathematics to real life situations is one of the reasons of teaching students to estimate in mathematics. School mathematic activities, leading to estimates are an important part of the mathematic education. Digital environments, in particular the e-tests, can significantly increase the ability of estimation in students. During a research we have found out that the teachers have to achieve their goal with few available materials and their lack of time causes that mathematical tasks for estimation are mostly ignored. In this paper, we will point out the possibilities lying in increasing the student's ability of estimation by digital technologies.*

KEY WORDS: *estimation, e-test, digital material, GeoGebra, HotPotatoes*

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