

Using of digital technologies and their effectiveness in solving mathematical problems on secondary schools

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Abstract: In real-life situations, deciding on an optimal solution for a given problem belongs to the most common tasks. Real-life tasks, or so called contexted tasks can be solved by several methods, at the present time even with digital technologies such as graphical calculators or appropriate software materials. We think that solving these tasks helps to achieve higher goals in secondary math education. There exist developed competences to create hypothesis, to experiment, argue and apply mathematical knowledge in the context of real-life tasks, too. In my contribution I present the results of an experiment carried out in a secondary school in Bratislava, where we have been examining the effectiveness of mathematics education with the use of digital technologies.