Formation of mathematical representations in primary school students

Daniela MURARU (PAHOME)¹, Claudia VLAICU²

Abstract

In the process of representations’ forming, schematizations, nuances, simplifications are involved along with the perceptual syntheses and also a series of regroupings of the features of the person or the object evoked. The contribution of the study is highlighted in the theoretical basis of the term representation in the field of psychology and mathematics teaching. The purpose of this paper was to investigate teachers’ opinions on the process of mathematical representations’ forming. Respondents are primary school teachers who have voluntarily agreed to take part in the survey. The research tool is a questionnaire created through Google Forms and applied online. The obtained results highlight the positive vision of the respondents on the interdisciplinary approach in the formation of mathematical representations.

Keywords: representation, mathematics, teachers;

¹PhD student, “Babeș-Bolyai” University, Cluj-Napoca, Romania, pahome.daniela@gmail.com
²Associate professor, Valahia University of Târgoviște, Department of Education Sciences, Romania, claudia.vlaicu@valahia.ro