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Muñoz Pérez, María; Ruano Barrera, Raquel; Socas Robayna, Martín M.

Integers and algebraic expressions. A biographical study. (Números enteros y expresiones algebraicas. Estudio biográfico.)

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Summary: We carry out a biographical study of a 2nd year student of ESO who studies integers and algebraic expressions using the teaching material “algebraic puzzle” as an analogical register. Their productions are analysed in a pre-test, a post-test, class tasks and interviews, with the purpose of knowing the personal meanings that she gives to integers and algebraic expressions. Also, a study of student’s errors is made in order to investigate their origin.

Classification: F43 H23 D73

Keywords: integers; algebraic expressions; student errors