



HOW TO CREATE TASKS FROM MATHEMATICAL LITERACY

JANKA DRÁBEKOVÁ, SOŇA ŠVEC OVÁ, LUCIA RUMANOVÁ

ABSTRACT. *In our article we try to present the tasks of mathematical literacy for teachers and students, because we believe that everyone of us should be mathematically literate. We are focused on developing students' competencies to apply basic mathematical thinking and basic skills explore in science and technology. We use The National Educational Program ISCED 3a Mathematics. Tasks are ready for students in grade 13, for high school graduates. These students should already be able to use mathematical knowledge in many different situations in various ways. The tasks are inspired by microbiological knowledge, which can be found in many commercial magazines or in the website.*

KEY WORDS: *mathematical literacy, science literacy, microbiological tasks*

CLASSIFICATION: *D34, D84, M24*

Received 15 April 2014; received in revised form 5 May 2014; accepted 13 May 2014

Authors' Addresses

RNDr. Janka Drábeková, PhD., PaedDr. Soňa Švecová, PhD.

*Department of Mathematics, Faculty of Economics and Management, Slovak University of Agriculture in Nitra, Tr. Andreja Hlinku 2, SK – 949 76 Nitra
e-mail: janka.drabekova@uniag.s, sona.svecova@uniag.sk*

PaedDr. Lucia Rumanová, PhD.

*Department of Mathematics, Faculty of Natural Sciences, Constantine the Philosopher University in Nitra, Tr. Andreja Hlinku 1, SK – 949 74 Nitra
e-mail: lrumanova@ukf.sk*