

ABSTRACT

This work is focused on word problems about the volume and surface of solid figures. The aim of the work is to sort out, organize and clarify word problems in the area of volumes and surfaces of solid figures, found in selected high school textbooks, for the needs of researchers and educators. The work is divided into three chapters. The introductory part is devoted to the introduction of basic terms. In the next part of the work, solid figures are classified and calculations of their volumes and surfaces are introduced. In the last part of the work, word problems on volumes and surfaces of solid figures are divided into two main subsections: mathematical combinations and physical combinations. Both chapters are further divided into several groups according to the associated curriculum. Each group is assigned a pair of specific problems, which are selected from Matematika pro gymnázia textbooks and are presented with solutions.