of object oriented programming is deficient. We could archive better results by using proper applications as a visual aid. In this paper we examine the efficiency of an application made by us.

Attila Vámosi: *Tips and tricks for making examination in Moodle*

Electronic exams made with the Moodle system can greatly facilitate the examiners job, but only few people use this option. The presentation will review the examination system of the Moodle, the uploading of the question bank, the creating of the test, and the range of the available statistics. Then answers some frequently asked questions and misunderstandings, and give tips and show tricks related to secure examinations.

Ödön Vancsó: *Different sources of the probability's notion*

This brief presentation illustrates the author's ideas with some prototype tasks and problems. In midpoint stands development of probability's notion in school mathematics reflecting to work of T. Varga, T. Nemetz and K. Bognár on this field.

Erika Veres: *What is the geometric message of a vector expression?*

In the present lecture based on the concrete example of vectors we are going to present our view of the fundamental difference between the usage of series of problem row and problem cluster. While compiling the problems talent management in Transcarpathia, workshop sessions were primarily taken into consideration. A number of series of problems rows were chosen from the sphere of elementary geometry, the solutions of which were arranged into a problem cluster with the help of vector geometry. The arrangement of problems was accomplished based on mathematical interdependence; the chosen solving methods were adjusted to the students' precognitions and age characteristics. The variation of methods, the formation of the structure of the problem cluster was implemented according to methodological principles based on Bruner's representation theory and Paivio's dual coding theory, the dissymmetry of the human brain. The ideas applied as examples were taken from the heritage of Istvan Reiman, who for years successfully prepared the Hungarian team for the Mathematical Olympiad.

Adrienn Vinczéné-Varga: *Mathematics for engineering students*

What is the optimal amount of the theory in engineering mathematics education? How to be precise and effective at the same time? How to be in step with the rapid development of informatics? We present an attempt to answer these