

ROAD CONSTRUCTION AND GEODESY

E-ASSIGNMENT

TASK CONTENT

In this week's Rakett21 task, you have to pretend to be a road construction project manager and calculate the amount of materials needed on the site, find the most affordable option to bring the material to the site, and find the height measurements that the designer forgot to include in the drawing.

HOW TO COMPLETE THE TASK?

Fill in the colored cells in Excel.

EXPLANATORY NOTES

When solving some tasks, it might be necessary to make intermediate calculations either in Excel or on paper.

SOLUTION AND EVALUATION

Correct answers are evaluated - if the answers are given in the wrong unit, no points are given. The first task gives 42 points, the second task 8 points and the third 50 points. If the teams collect an equal number of points, the team that sent the answer first gets the higher place.

TASK BACKGROUND

The task shows only a small part of the tasks that a road construction project manager has to deal with on a daily basis. A project manager must be a good communicator, be strong in mathematics and physics, in addition to having knowledge of law, economics and environmental protection in order to create high-quality roads and bridges.

POINTS FOR ASSIGNMENT

A maximum of 100 points can be obtained in total.