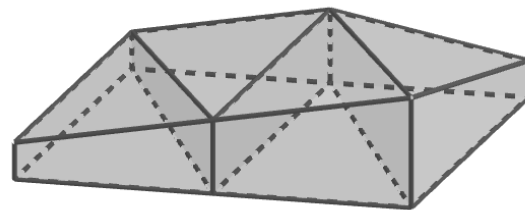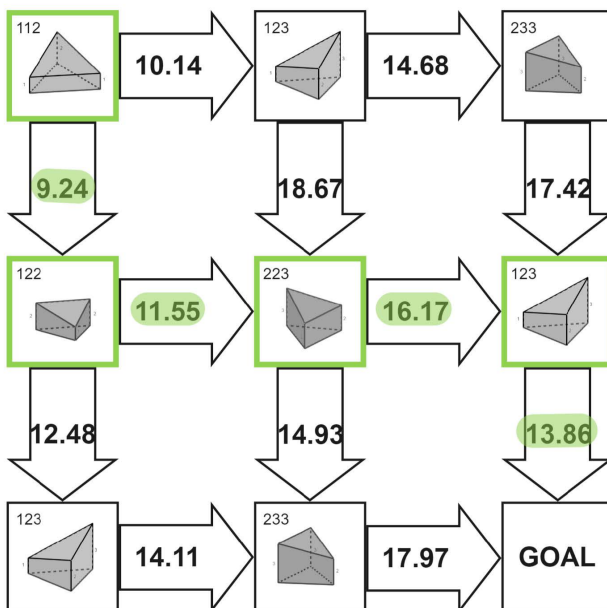| Grades 5-8 (S), 9-12 (S)

Duration: 30 min

Tools: one Logifaces Set / student, Volume maze

Individual work

Keywords: Volume, Game | 521 - Volume Game

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MATHS / 3D GEOMETRY | LOGIFACES METHODOLOGY
Erasmus+
TEACHER
Logifaces

2019-1-HU01-KA201-0612722019-1 |

DESCRIPTION

Students get a paper with Logifaces prisms and calculated volumes on the arrows. They calculate the volumes using the standard units and follow the arrows with the right answers to get the blocks and the right order to build a continuous surface at the end of the maze. A possible Volume maze can be found at the end of the exercise.

SOLUTIONS / EXAMPLES

Below we can see the solution to the example Volume maze. By following the maze students get a continuous surface as it is shown in the Figure below. The continuous Logifaces surface consists of blocks 112, 122, 223 and 123 in this order.

PRIOR KNOWLEDGE

Volume of prisms and truncated prisms

RECOMMENDATIONS / COMMENTS

We recommend to see first exercise 517 - Heights and Volumes, it contains all the volumes of the blocks.

VOLUME MAZE

Calculate the volume using the standard units and follow the arrows with the right answers to get the blocks and the right order to build a continuous surface at the and of the maze.

112	→10.14→	123	→14.68→	233
↓9.24		↓18.67		↓17.42
122	→11.55→	223	→16.17→	123
↓12.48		↓14.93		↓13.86
123	→14.11→	233	→17.97→	GOAL