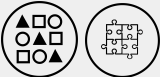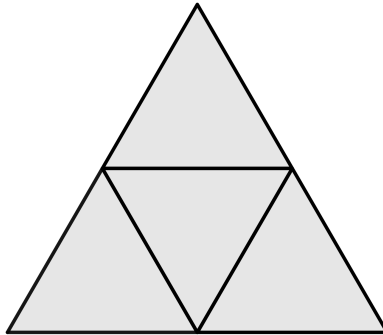|		
Grades 5-8 (S), 9-12 (S) Duration: 10 minutes Tools: one 9 pcs Set / 1-4 student Individual / Pair / Group work Keywords: Impossible	**607 - Block in the Middle** ⬤◻ ◯▲◻ ◻◯▲ **MATHS / COMBINATORICS**	LOGIFACES METHODOLOGY Erasmus+ **TEACHER** Logifaces

DESCRIPTION

Using the 9 pcs Set, students arrange blocks in the form shown in the diagram with a continuous surface, considering which block can or cannot be in the middle.

SOLUTIONS / EXAMPLES

Blocks 222 and 331 cannot be in the middle, the others can.

GUIDELINES FOR TEACHERS:

Discuss what it means to be in the middle. For example if 112 is in the middle, that means that we have to find 3 other blocks such that one block has a vertical face 11 and two blocks have a vertical face 12.

PRIOR KNOWLEDGE

None

RECOMMENDATIONS / COMMENTS

This exercise provides the foundation for exercise 608 - 4 Block Triangles.