



<p>Name:</p> <p>Date:</p> <p>Tools: one 16 pcs Set / group</p>	<p>617 - Can you Match Them?</p>  <p>MATHS / PROBABILITY</p>	 <p>LOGIFACES METHODOLOGY</p> <p>Erasmus+</p> <p>STUDENT Logifaces</p> <p>2019-1-HU01-KA201-0612722019-1</p>
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DESCRIPTION

Students fix one block, e.g. the block 223 and choose one other block from the 16 pcs Set at random and find the probability that the chosen block

- a) can be fit to the block 223 by the top face
- b) can be fit to the block 223 by at least one vertical face
- c) can be fit to the block 223 by at least one face
- d) can be fit to two or more faces of the block 223
- e) cannot be fit to the block 223

Fitting the base faces is not permitted, as all base faces are congruent equilateral triangles. Fitting by a face means that the whole face fits together.

The above questions have the following difficulty levels:

LEVEL 1 part a)

LEVEL 2 part b) and e)

LEVEL 3 part c) and d)

Fixing other blocks instead of the block 223 gives different difficulty levels, as follows:

LEVEL 1 blocks 111, 333

LEVEL 2 blocks 113, 133

LEVEL 3 blocks 112, 122, 223, 233, 123, 132

SOLUTION(S)