

Grades 7-8 (S), 9-12 (AS)

Duration: 20 min

Tools: one 16 pcs Set / 1-2 student

Individual / Pair work

Keywords: Sequences, Arithmetic and Geometric sequences

308 - What Comes Next?



MATHS / SEQUENCES



LOGIFACES
METHODOLOGY
Erasmus+

TEACHER

Logifaces

2019-1-HU01-KA201-0612722019-1

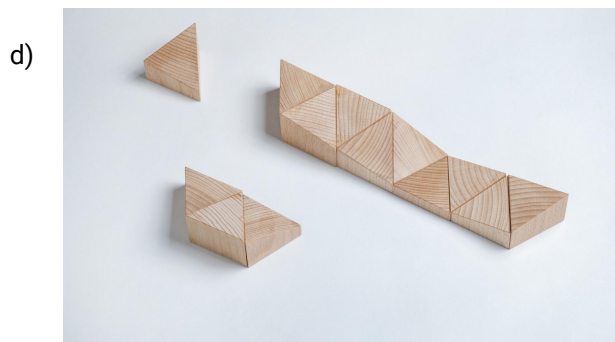
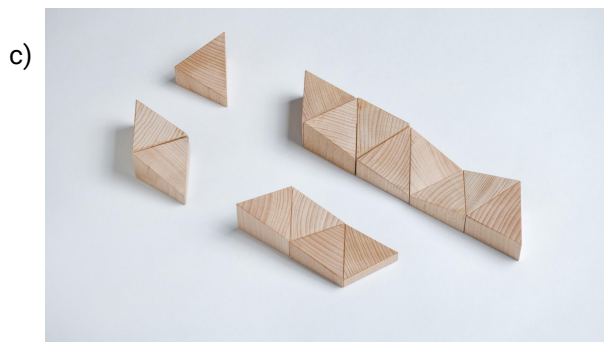
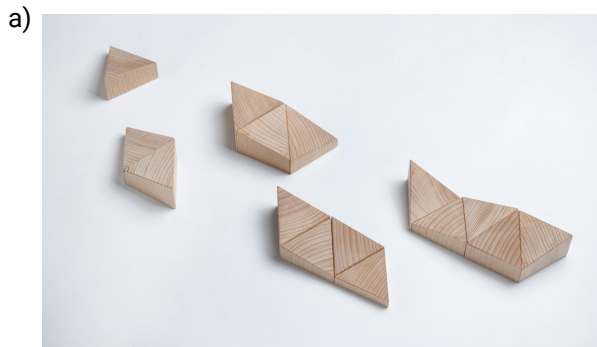
DESCRIPTION

Students build sequences using Logifaces blocks, in such a way that each term has more pieces than the previous one and each term has a continuous surface.

The numbers of the blocks in the terms also form a sequence and satisfy the following requirements:

- The first term is 1, and the last term is 5. The rule is: Each term is 1 more than the previous one.
- The first term is 1, and the last term is 7. The rule is: Each term is 3 more than the previous one.
- The first term is 1, and the last term is 8. The rule is: Each term is twice as many as the previous one.
- The first term is 1, and the sequence has 3 terms. The rule is: Each term has three times as many as the previous one.

SOLUTIONS/EXAMPLES



PRIOR KNOWLEDGE

Arithmetic and geometric sequences, Term, Rule of a sequence.

RECOMMENDATIONS/COMMENTS:

The problem can also be discussed as an introduction to the concept of arithmetic and geometric sequences.