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

Duration: 5-10 min

Tools: one Logifaces Set / 2-4

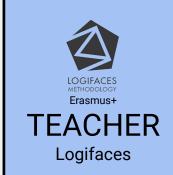
students

Group work

Keywords: Prism

109 - Complement it!





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DESCRIPTION

Each group of 2-4 students works with a Logifaces set. One student chooses a piece and the others have to choose a piece that complements it to a prism. The student who finds a proper piece the fastest, can choose the next piece, and the game continues.

SOLUTIONS / EXAMPLES

After playing 5-7 rounds of the game, the proper pairs can be written on the blackboard.

Other version: The teacher chooses the first piece, and waits until every student finds a proper complementing piece.

PRIOR KNOWLEDGE

None

RECOMMENDATIONS / COMMENTS

The goal of the game is to warm-up or rest after computing the areas and surfaces of the pieces.

Knowing the areas of the top triangles helps being successful in the game. See exercises $\underline{406}$ - $\underline{Different}$ $\underline{Triangles}$ and $\underline{411}$ - \underline{Area} of $\underline{Triangles}$.

Or in the other way: knowing the complementing pairs in this game helps finding the congruent triangles before computing all the edge lengths separately.