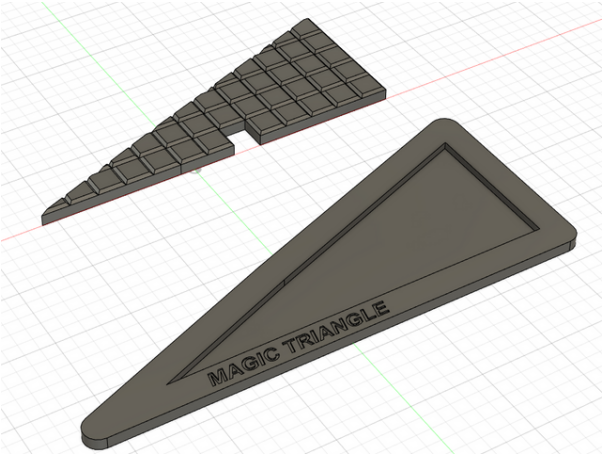
Printables by JOSEF PRUSA



Magic Area Puzzle with Display Tray

Kiwibloke

VIEW IN BROWSER

updated 14. 6. 2021 | published 14. 6. 2021

Summary

A cool math trick involving area and triangles that may not be quite the same as your eye/brain thinks they are.

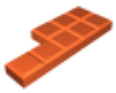
3.15 hrs	2 pcs	0.15 mm 0.20 mm	0.40 mm	PLA	32 g	Prusa MK3/S/S+

Learning > Math

Tags: puzzle triangle magic math trick area

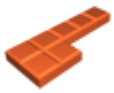
Print the gcode files and then rearrange the pieces in the included display tray to make 1^2 unit of area disappear or reappear at will.

Model files



tri-4.stl

Piece 4



tri-3.stl

Piece 3

tri-2.stl

Piece 2

tri-1.stl

Piece 1

tray.stl

Tray

triangle-puzzle.f3d

Fusion 360

Print files

tri-1_015mm_pla_mk3s_1h32m.gcode

PLA 0.40 mm 0.15 mm 1.54 hrs 13 g Prusa MK3/S/S+

All pieces with brim

tray_02mm_pla_mk3s_1h36m.gcode

PLA 0.40 mm 0.20 mm 1.61 hrs 19 g Prusa MK3/S/S+

Tray with brim

License

This work is licensed under a
Creative Commons (4.0 International License)

Attribution-NonCommercial

✖ | Sharing without ATTRIBUTION
✔ | Remix Culture allowed
✖ | Commercial Use
✖ | Free Cultural Works
✖ | Meets Open Definition