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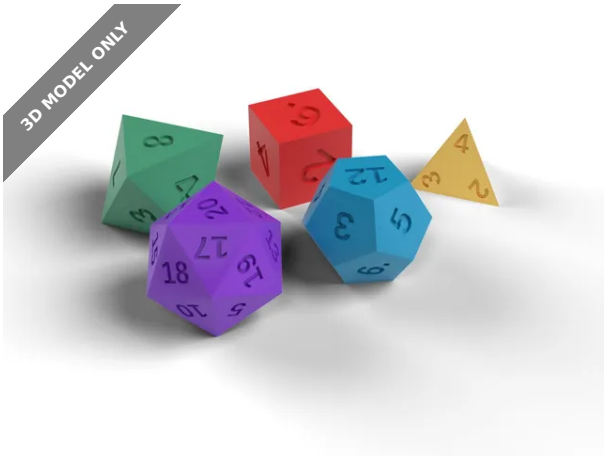

Polyhedral Dice Set - D4, D6, D8, D12, D20 with Cut-In Numbers, No Supports (OpenSCAD)

Arthur Both

VIEW IN BROWSER

updated 15. 10. 2026 | published 15. 10. 2026

Summary

A tabletop dice set, D4 to D20, each printing on a face with the numbers cut into every side.

Toys & Games > Board Games

Tags: dnd tabletop dice rpg openscad polyhedral nosupports

A set of five dice for tabletop games: D4, D6, D8, D12 and D20. The numbers are cut into every face, opposite faces add up to N+1 like real dice, and 6 and 9 have a dot. The D4 reads from the top corner.

DETAILS

• Sizes: D20 22 mm, D12 20 mm, D8 18 mm, D6 16 mm, D4 24 mm. No D10 in this set.

• Each die prints lying on a face with no supports. The steepest overhang is the D20's lower faces at 48 degrees. On faces that print facing down,

the numbers stand upright with a thin bridge through each digit so nothing hangs in the air.

• Bambu Studio: 39 min, 11 g for the set.

• Print with 100% infill so they roll fair, and paint or wax the numbers for contrast.

CUSTOMIZE (OpenSCAD)

Engraving depth and the size of the whole set.

Designed with AI assistance (OpenSCAD). Rendered images; not printed or roll-tested yet.

Model files

polyhedral-dice-set.stl

polyhedral-dice-set.scad

polyhedral-dice-set_h2c.3mf

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