



Pumpkin Pi



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Summary

Pumpkin Pi Pumpkin circumference / diameter = pumpkin π ?

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Pumpkin Pi

Pumpkin circumference / diameter = pumpkin π ?

Print Settings

Printer Brand:

FlashForge

Printer:

Adventurer 3

Rafts:

Yes

Supports:

No

Resolution:

.2

Infill:

10% Hex

Filament: Amolen PLA Silk Gold, Silver, Copper

Notes:

Print each piece separate or try the layer pause on the one piece design (watch out for that pi curl over hang)

Post-Printing =====

Assemble

Stuck the pieces together with paper craft "Glue Dots"..

How I Designed This =====

Tinkercad

Simple model, pulled together in Tinkercad for more practice in 3D design. Seems simple enough but took several edits to get rid of all the 3D print supports require for the original.

Originally designed as a single print award style model using layer pauses to change out the filament colors, I had multiple failed attempts to use supports and get the Pi symbol curled-under-overhang to print. Either the supports were not strong enough and the curl would break off or fall over or the printer head would push or pull it down before it was connected to the rest of the symbol. I tried stronger, thicker and more supports till it just wasn't worth it anymore for a gimmick design. I decided it could be done easy if I split it up and put the Pi on its side.

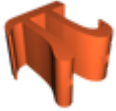
Piece of cake PI.

Category: Math Art

Model files



pumpkin_pi.stl



pumpkin_pi_in_pieces_pi.stl



pumpkin_pi_in_pieces_base.stl



pumpkin_pi_in_pieces_pumpkin.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com/thing:1111111)

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