

Hexahexaflexagon Instructions

Printing a blank flexagon

Print blank flexagon pattern on one sheet of paper, single-sided. Cut out strips. Assemble the flexagon. Decorate after assembly.

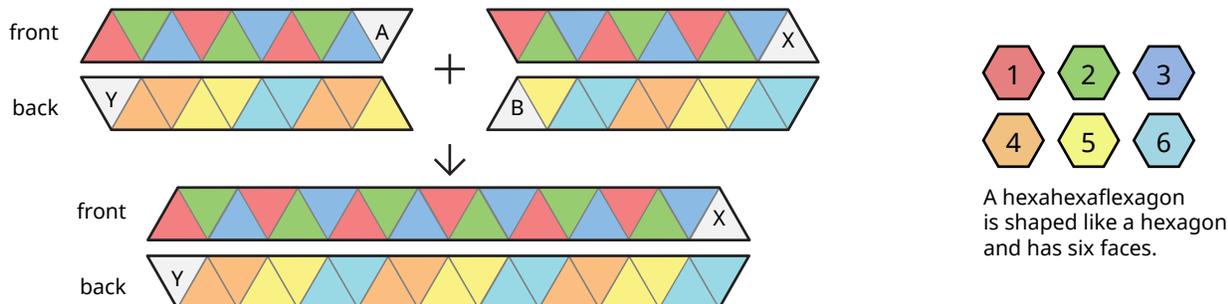
Printing a decorated flexagon

Print front and back patterns on one sheet of paper, double-sided. If not aligned, adjust paper feeder and print again. Cut out strips.

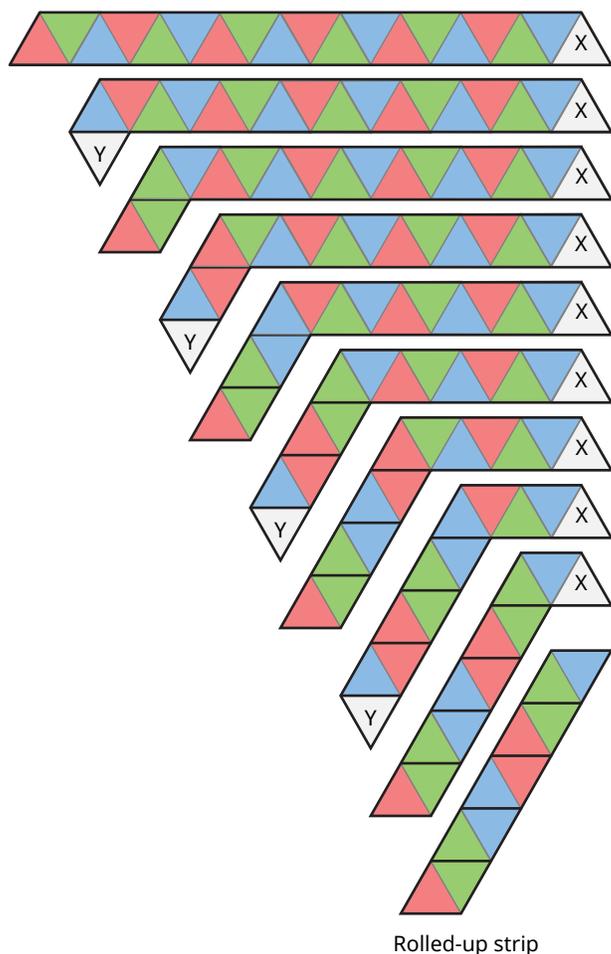
If unable to align double-sided printing, print front and back patterns on two sheets, single-sided. Cut out strips and glue back-to-back.

Assembly

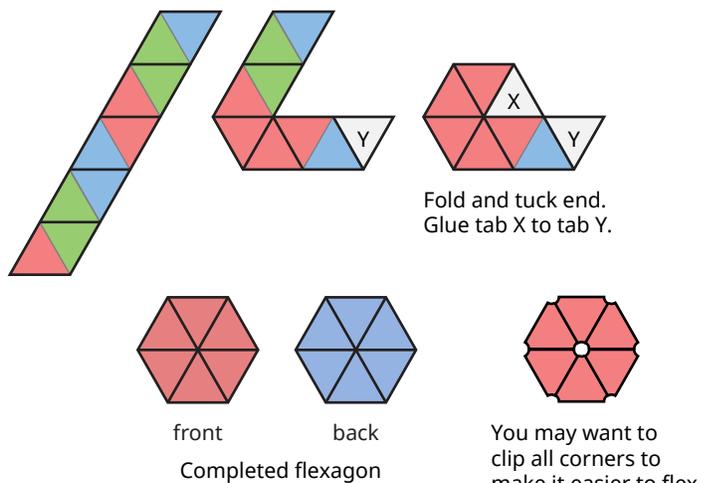
1. Glue tab A to tab B to make one long strip with 19 triangles (18 + 1 glue tab).



2. Fold to make a rolled-up strip.



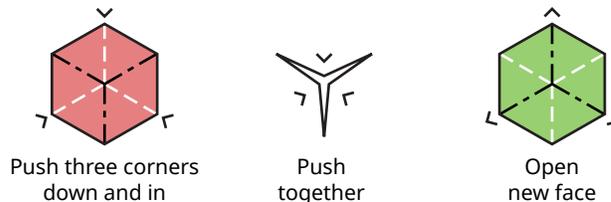
3. Fold the rolled-up strip to make a hexagon.



Flexing

Expose new faces by flexing. Try to find all six faces.

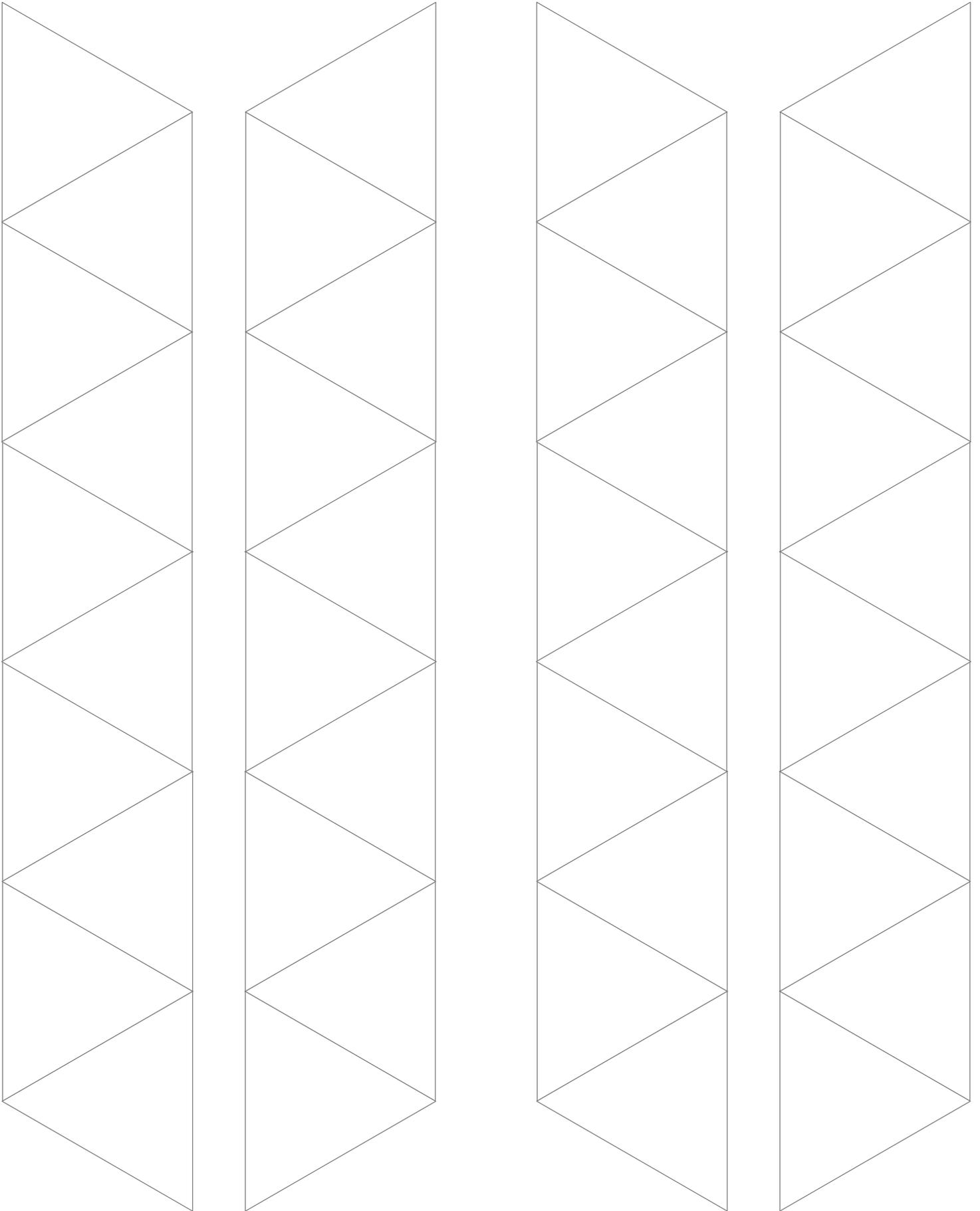
Hold the flexagon in two hands, looking down at the top face. Push three corners down and in to make three valley folds. At the same time pinch to make three mountain folds. Push the valleys together until they touch. Then open the center like a flower blossoming.



Search the web for hexaflexagon videos showing how to flex.

In some positions you will not be able to open the center. When this happens, back up and try a different flex.

Hexaflexagon: Blank Pattern
Makes two hexahexaflexagons or four trihexaflexagons.



Hexahexaflexagon: Decorated Front



Hexahexaflexagon: Decorated Back

