

Try a...

TRIHEXAFLEXAGON

Try a hexaflexa-what? A trihexaflexagon! Don't let the name intimidate you. The name simply means a three-faced, six-sided, flexible polygon. Trihexaflexagons are ingenious origami-like contraptions which have the fascinating ability to change their faces as they are contorted, flexed, and folded.

THIS SIDE OF THIS TRIANGLE

Cut along solid line

Cut along solid line

Hexaflexagons are usually made by folding a strip of paper as shown by the arrows.

As complicated as trihexaflexagons might appear, their construction is quite simple. Of course, the hard part is folding it correctly!

Crease the paper both ways on the dotted (not dashed) lines. This will allow your trihexaflexagon to flex more easily.

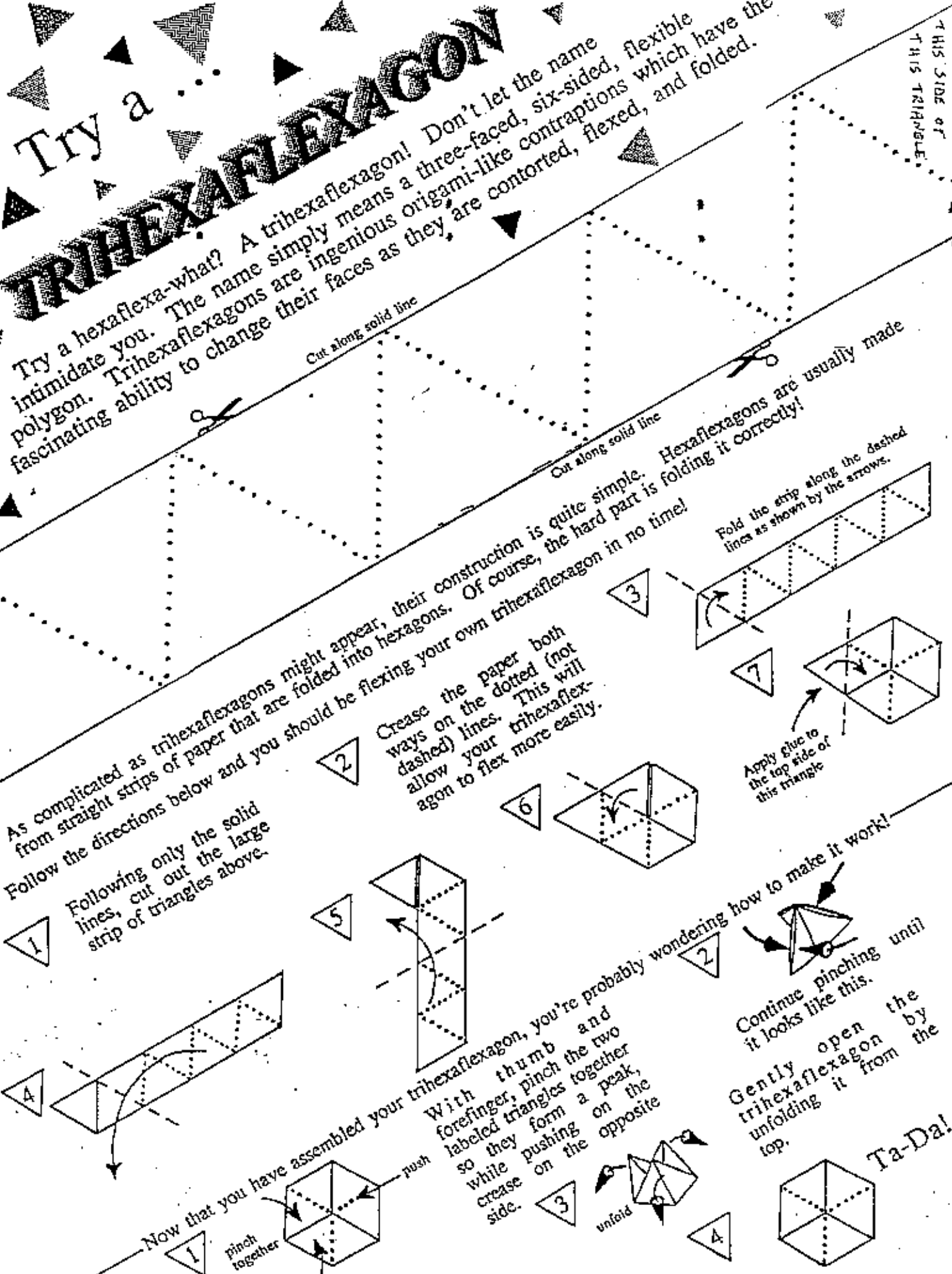
Apply glue to the top side of this triangle

Following only the solid lines, cut out the large strip of triangles above.

Now that you have assembled your trihexaflexagon, you're probably wondering how to make it work! With thumb and forefinger, pinch the two labeled triangles together so they form a peak, while pushing on the opposite side.

Continue pinching until it looks like this. Gently open the trihexaflexagon by unfolding it from the top.

Ta-Da!



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THIS SIDE OF THIS TRIANGLE

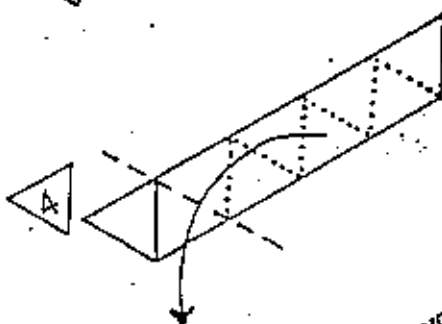
Cut along solid line

Cut along solid line

Hexaflexagons are usually made by folding a strip of paper as shown by the arrows.

As complicated as trihexaflexagons might appear, their construction is quite simple. Of course, the hard part is folding it correctly!

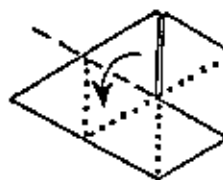
Follow the directions below and you should be flexing your own trihexaflexagon in no time!



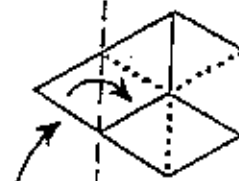
2

Crease the paper both ways on the dotted (not dashed) lines. This will allow your trihexaflexagon to flex more easily.

6

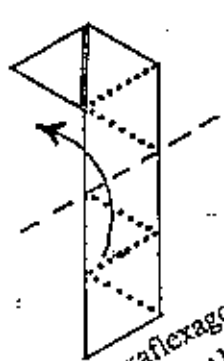


7

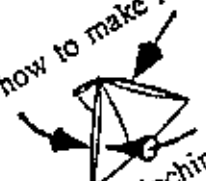


Apply glue to the top side of this triangle

5



2



Continue pinching until it looks like this.

Gently open the trihexaflexagon by unfolding it from the top.

Ta-De!

Now that you have assembled your trihexaflexagon, you're probably wondering how to make it work!

1

pinch together



push

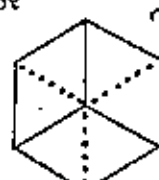
With thumb and forefinger, pinch the two labeled triangles together so they form a peak, while pushing on the opposite side.

3



unfold

4



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THIS TRIANGLE

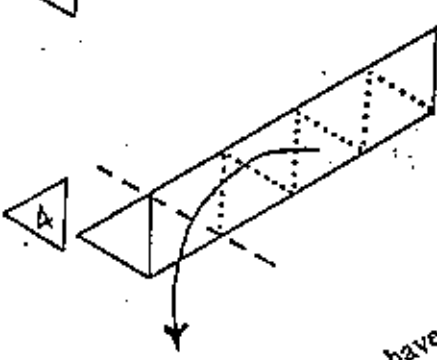
Cut along solid line

Cut along solid line

Hexaflexagons are usually made by folding a strip of paper along the dashed lines as shown by the arrows.

As complicated as trihexaflexagons might appear, their construction is quite simple. Of course, the hard part is folding it correctly!

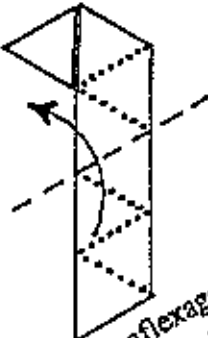
Follow the directions below and you should be flexing your own trihexaflexagon in no time!



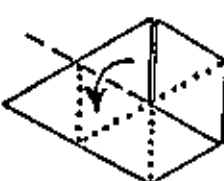
1

Following only the solid lines, cut out the large strip of triangles above.

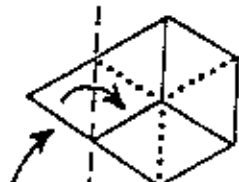
2



3



4



Apply glue to the top side of this triangle

Now that you have assembled your trihexaflexagon, you're probably wondering how to make it work!

1

pinch together



push

With thumb and forefinger, pinch the two labeled triangles together so they form a peak, while pushing on the crease side.

2



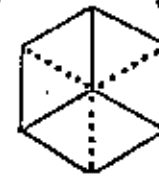
unfold

3

Continue pinching until it looks like this.

Gently open the trihexaflexagon by unfolding it from the top.

4



Ta-Da!