

You will need: a colour printer, scissors, glue.

1. Print and cut out the shape from <https://cs4fn.blog/hexahexaflexagons-festive-flexagons/>



2. Fold in half along the longest central line



3. Partially fold forward/backwards each of the 19 triangles (so 18 folds) to make it easier to work with, like a concertina.

4. Holding the hexahexaflexagon in your left hand turn it 90 degrees so the yellow arrow (with Father Christmas' face on) is pointing to the right.

5. Bend at the second fold (between the blue snowflake and the green triangle with the reindeer on it, then fold the reindeer backwards. Fold the two Christmas trees together (you're now bringing the 'tail' forward). Next, push the yellow triangle with stocking behind the purple gift, and so on.



*View of other side*

6. Keep folding / looping the triangles on the right to form a 'tube' that looks like this



7. Turn it through 180 degrees (you'll have to hold it as it's a bit springy at this stage!)



8. Fold the blue triangle with the red gift onto the blue triangle with the snowflake



9. Fold the two blue snowflakes onto each other, and again



10. Take Flap 2 and put it *behind* the final reindeer, then fold Flap 1 back / down and glue it to Flap 2.



11. Turn over to see Side 1. Your flexagon is ready to go. Now can you find all the presents again?

