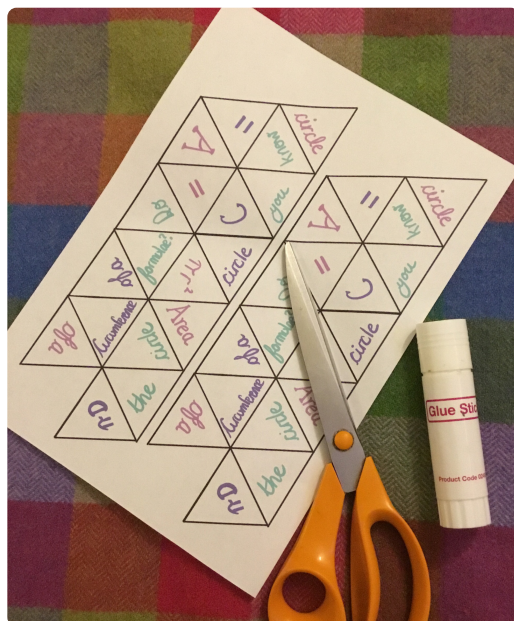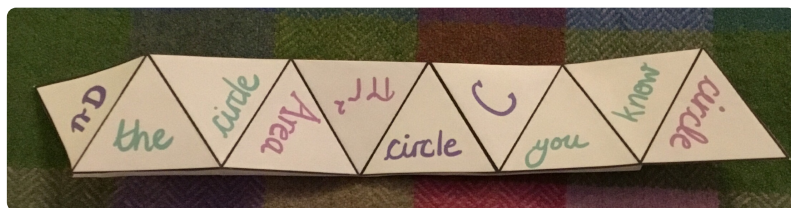1. Print off PDF. There are 2 hexaflexagons on each sheet.

BEST PRINTED IN COLOUR..

NOTE at least one student will cut their sheet into triangles having not listened to instructions ...so have a couple of spares.
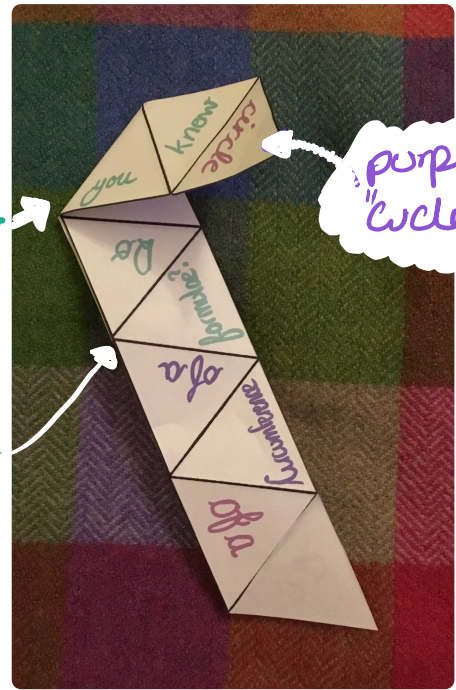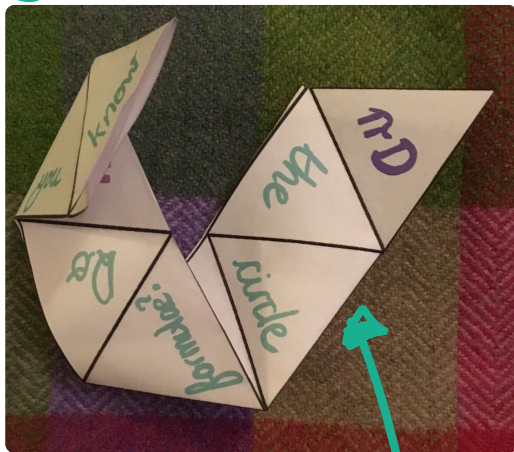
2. Cut out each shape ⟶▷

3. Fold in half lengthways

then fold along each line in both directions i.e. so each fold 'flexes'

make these folds as 'sharp' as you can...

4. With the **purple word** → "circle" on the right hand side fold **HERE** →

purple "circle"

5. The next fold will be here so you end up with this ↷

6. Bring this strip in front of the purple "circle" we started with... all the words facing you should be green like this ↘

NEARLY THERE!!

apart from the πD here but you're going to fold that over to the other side ↶

7. Turn over the shape and glue "πD" down

NB when the third face is revealed there is another triangle that will need to be stuck down ... but apart from that you're done

enjoy your very own mathematical fidget 'thing'

Mel