Fantastic Folding

You need: 30 squares of coloured memo cube paper, glue, a classmate

Lome's class have been making the 5 Platonic solids. By replacing each face with a point, these 5 regular solids can be changed into star-like (stellated) shapes.

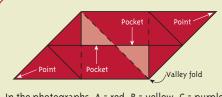
Follow the instructions to make your own stellated icosahedron.

(An icosahedron has 20 sides.)

- Fold 30 memo cube squares as for Cute Cubes. Give each piece one extra fold, a valley fold, as in the diagram. Use 6 different colours, A–F. Make a set of 5 of each colour.
- Use the A pieces to make a "rosette" by pushing the point of each piece into the pocket of the next.
- 3. Push the points of the B pieces into the remaining A pockets (near the centre of the rosette). Bring the A points around and tuck them into the B pockets.
- Push the points of the C pieces into the remaining B pockets and the points of set D into either pocket of set C. Tuck the B points into the D pockets and the D points into the C pockets.
- Push the points of set E into the remaining D pockets. Tuck the C points into the E pockets.
- 6. Push the points of set F into the remaining E pockets. Push the E points into the F pockets and the remaining F points into the remaining F pockets.







In the photographs, A = red, B = yellow, C = purple, D = blue, E = orange, and F = green.

