

## MAGIC EGG TANGRAM

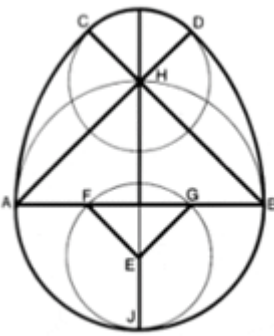


We know birds come from eggs.

You can make many birds from the 9 pieces of Tangram egg.

Break the egg and re-assemble the 9 pieces to hatch one of many varieties of birds.

### Construction



1. Draw a circle with radius 60 mm and mark diameters AB and HJ at right angles.

2. Extend the line from A to H and beyond.

3. Extend the line from B to H and beyond.

4. Draw a circle centre A, radius 120 mm, to find D on AH extended.

5. Draw a circle centre B, radius 120 mm, to find C on BH extended

6. Draw the arc CD as part of the circle centre H radius 35 mm.

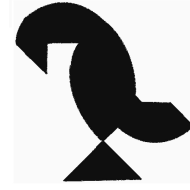
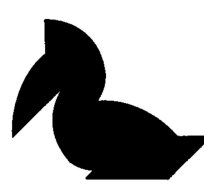
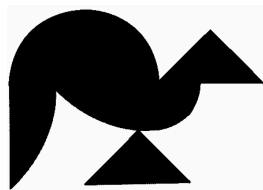
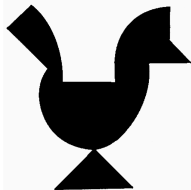
7. Mark E so that JE = 35mm and draw the circle centre E radius 35mm.

8. Cut into 9 pieces as in the coloured diagram (making 4 green pieces).

### Making the puzzle

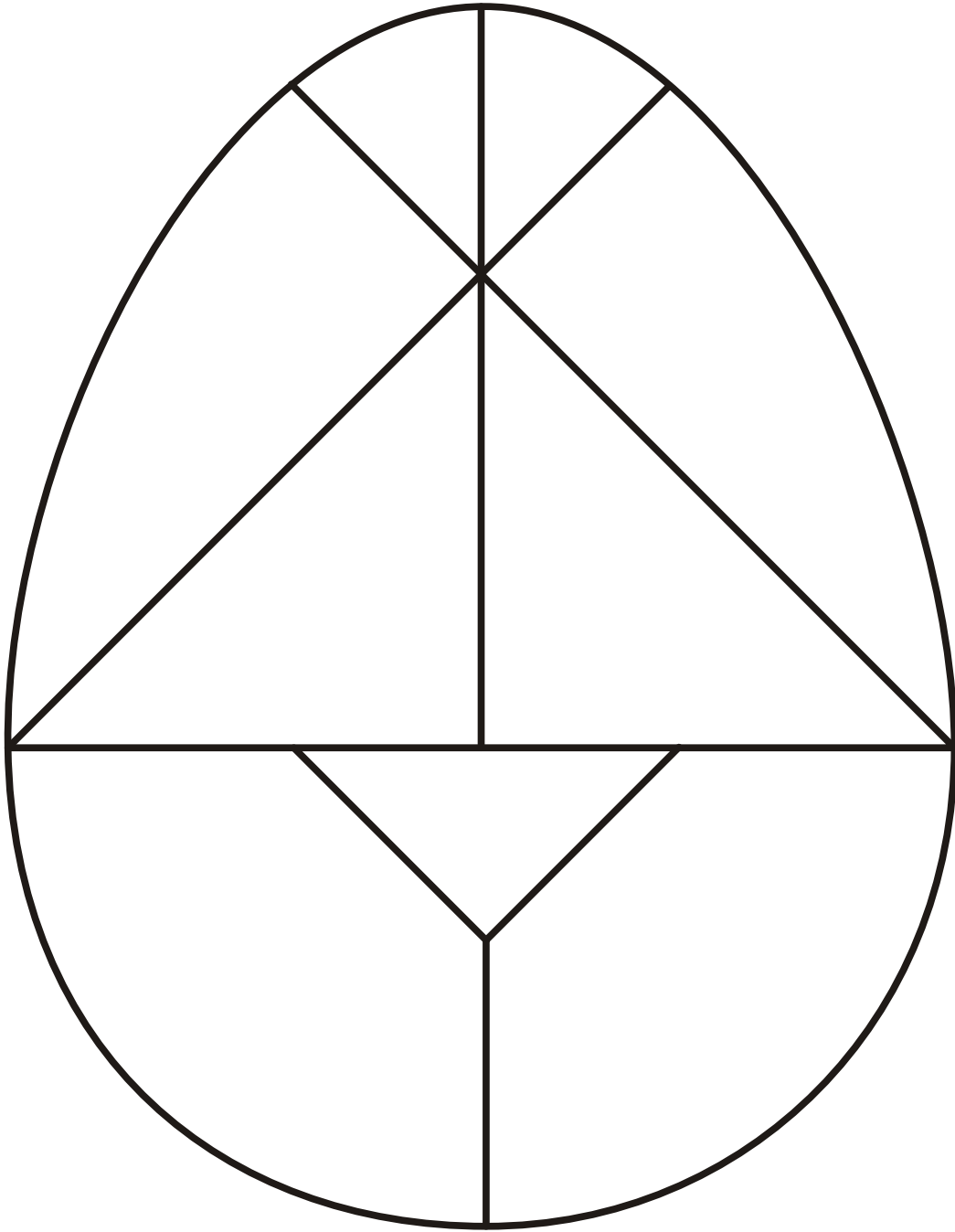
You can use cardboard and perhaps laminate it before cutting out the pieces.

Alternatively use scrap plastic or wood. Working in wood requires skilled craft work and careful sanding.



**HELP**

Cut out these pieces to make your Magic Egg Puzzle.



**NEXT**

More birds to make



*Resources: Scrap card to make the tangram, pair of compasses, scissors.*