

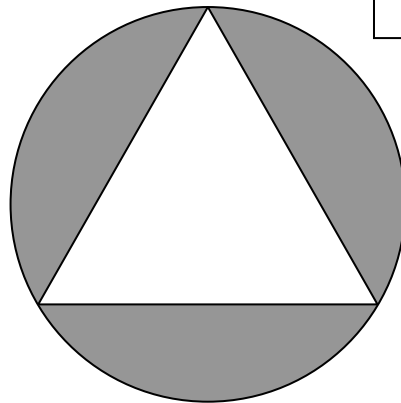
# ICOSAHEDRON

A regular icosahedron is a 20-sided solid, each face of which is an equilateral triangle.

To make your icosahedron, you will need 20 circles with 3 sectors marked and scored as shown (right). These will be used as glue-flaps.

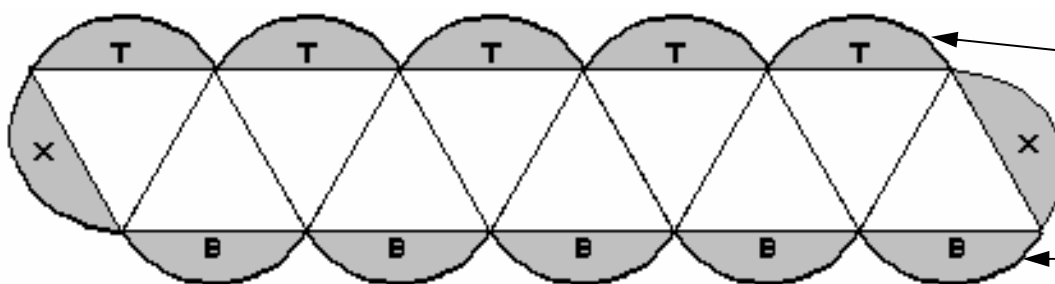
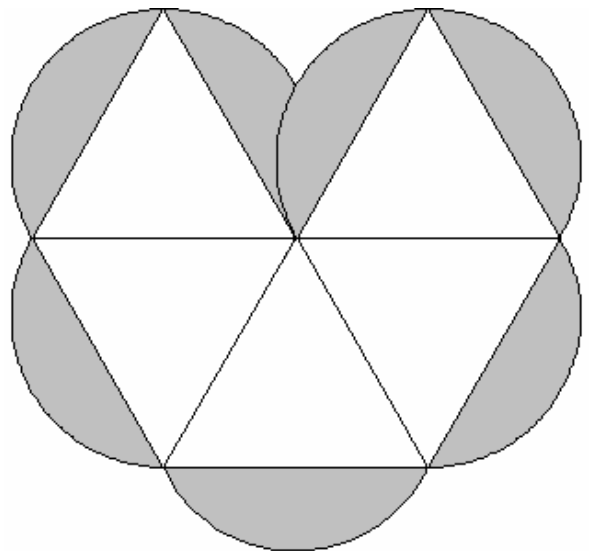
You could cut your 20 circles from postcards, birthday cards, Christmas cards, etc. so that each one shows a different design.

Alternatively, you could draw a design on each piece of card – or paste on pictures of your favourite group or team.



Circles with a diameter of 10 cm will make a soccer-ball sized icosahedron.

Glue together 5 of your “circle” shapes (as shown on the right). Gluing together the remaining two flaps pulls the “circles” into a bowl-like shape. You will need 2 of these “bowls”.



Glue these flaps to the top “bowl”

Glue these flaps to the bottom “bowl”

Glue the remaining 10 “circle”-shapes into a band and use this to join the top “bowl” to the bottom “bowl”. Leave the glue-flaps showing on the outside of the solid. It is possible – though a lot more difficult – to make an icosahedron with the glue-flaps on the inside. However, with the flaps on the outside, the finished solid looks almost spherical and much more decorative. You could hang your finished icosahedron from the ceiling in your room.