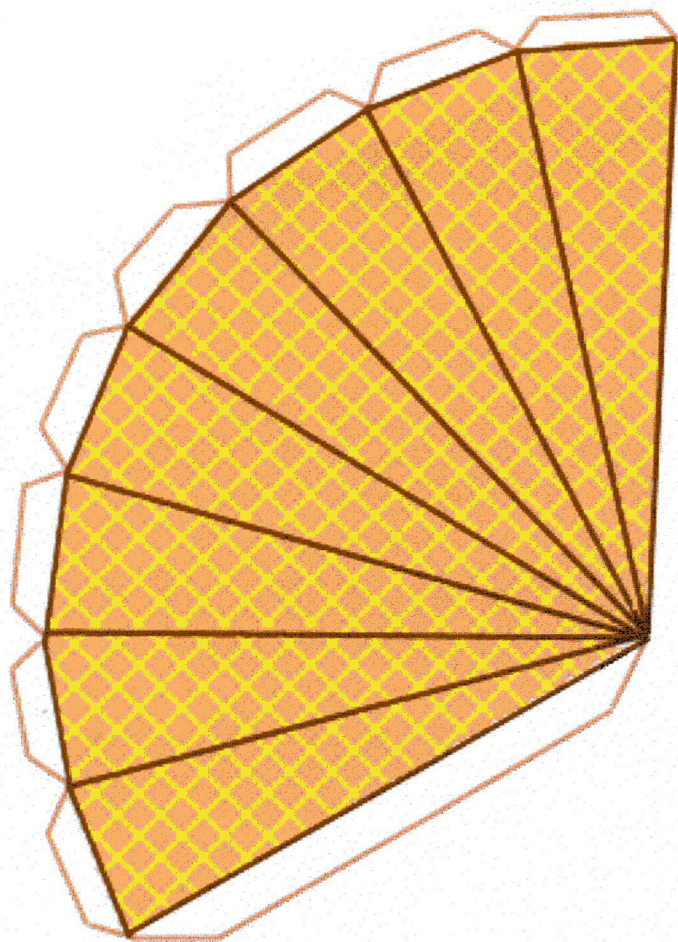# ice cream!

a HyperGami print-and-build kit
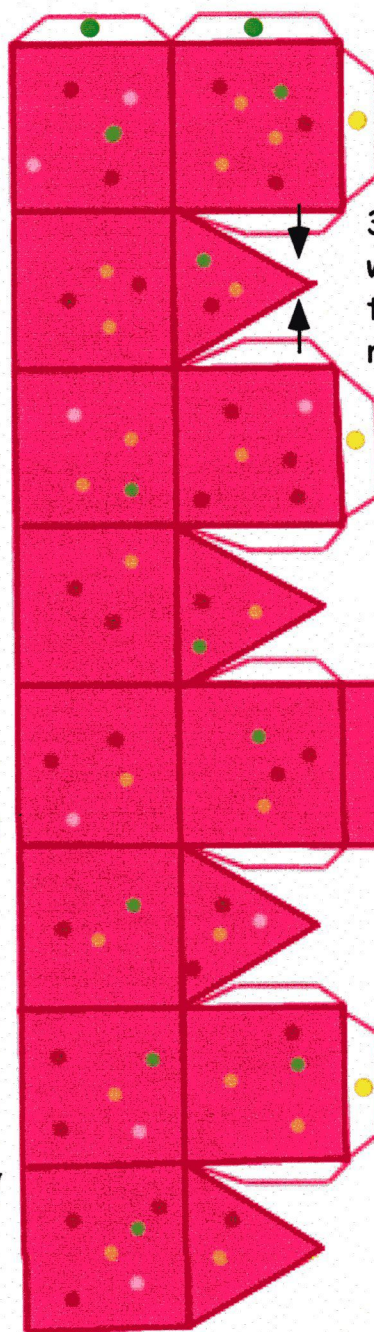
Ice Cream Cone

1. First join the long tab to the opposite edge, forming an open ice cream cone.

2. Join the bottom edge of this scoop to the tabs on the cone.

3. Join the tabs without dots to the triangles right next to them

5. Finally, join this square to the remaining tabs with yellow dots.

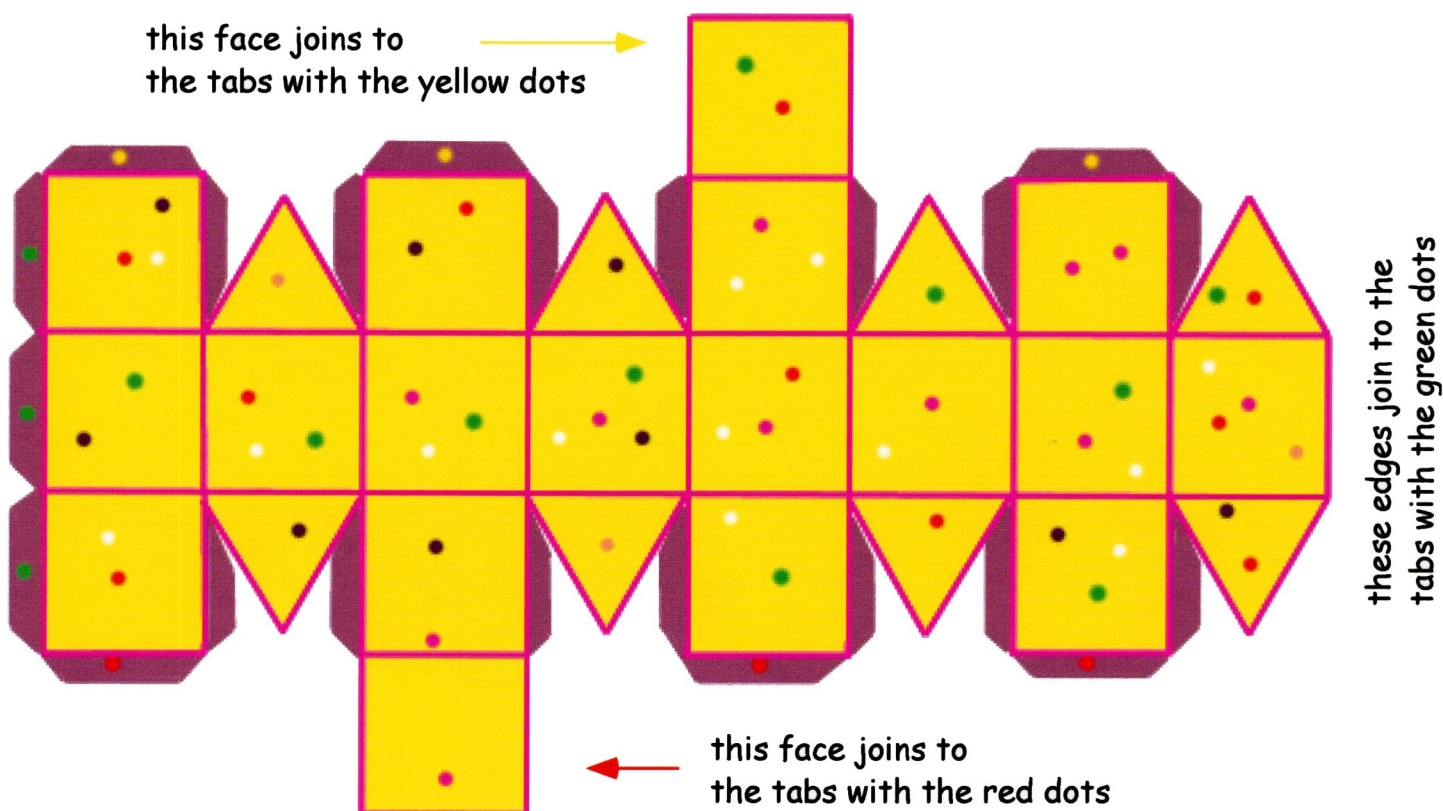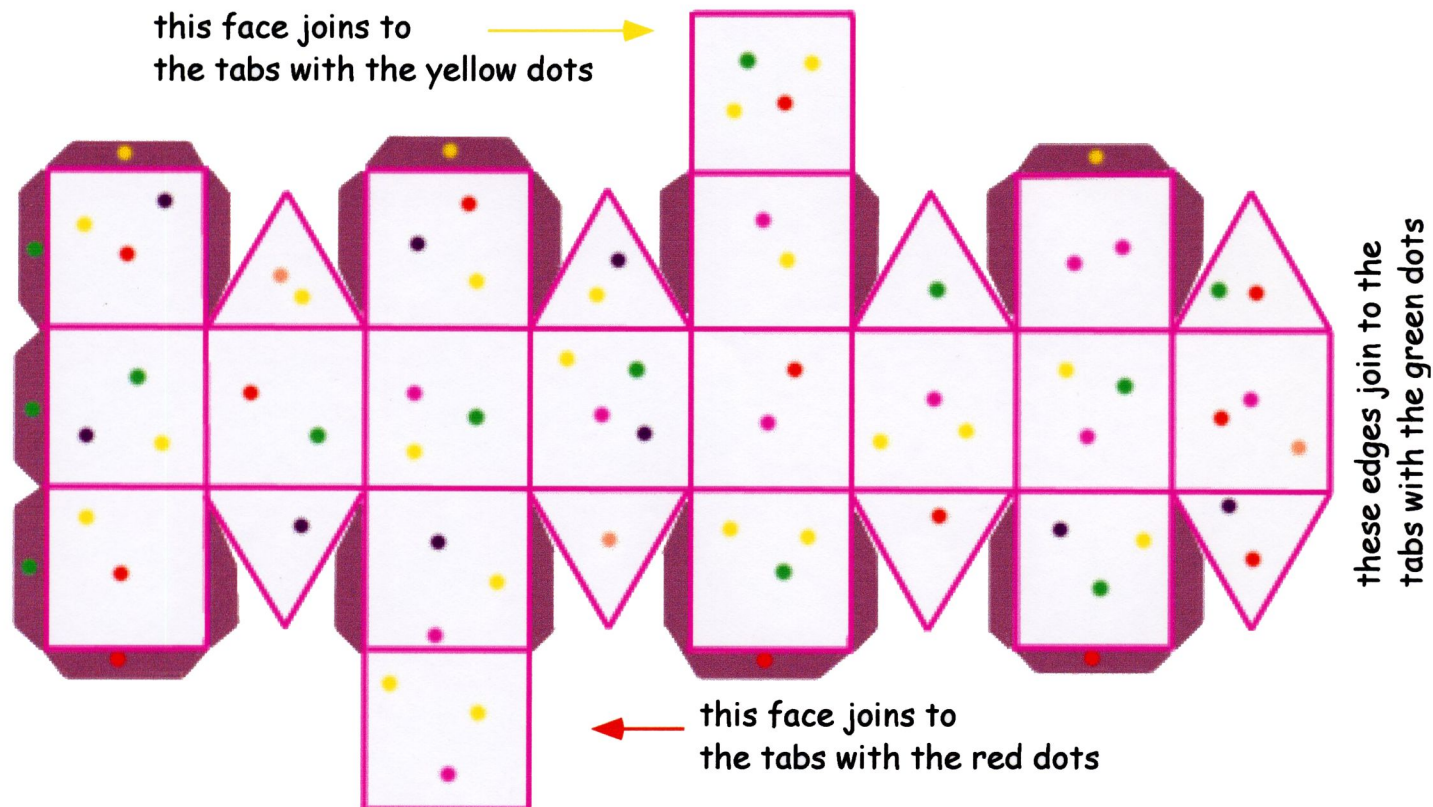**4. These edges join to the tabs with green dots.**

Before you start!
a. Read all of the tips.
b. When cutting the pieces, leave the tabs attached.
c. Use a small amount of craft glue to join edges to tabs.

Ice Cream Scoops

Start by joining all the purple tabs (without dots) to the triangles right next to them.

this face joins to the tabs with the yellow dots

these edges join to the tabs with the green dots

this face joins to the tabs with the red dots

this face joins to the tabs with the yellow dots

these edges join to the tabs with the green dots

this face joins to the tabs with the red dots

About the sculpture

The ice cream scoops are made
from a shape called a
rhombicuboctahedron. This
is a special polyhedron that has
squares and equilateral
triangles. How many squares
can you find? How many triangles?
Do you notice anything special
about the way they are arranged
on the shape?

The bottom portion of the cone is
made by slicing off the bottom
faces of the rhombicuboctahedron
and replacing them with a pyramid.

The rhombicuboctahedron belongs to a family of shapes
called the Archimedean solids. These polyhedra are made
of two or more different kinds of regular polygons (that
is, shapes that have sides of equal length and angles of
equal measure). There are thirteen Archimedean solids
in all.

To find out more about polyhedra and polyhedral sculptures,
visit us on the web!

http://www.hypergami.com/