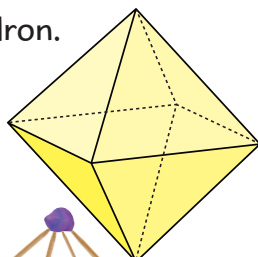


1 DRAW HALF A NET FIRST

1 Build this octahedron.



- polyhedron shape set
- plasticine and Blu-tac®
- mini-marshmallows or similar
- toothpicks

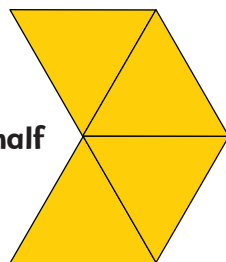


I notice that there are eight faces and four triangles around each vertex.

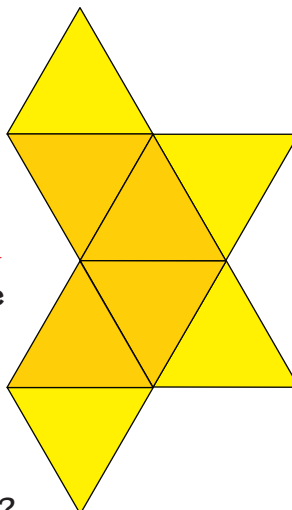
a Is Jess correct?

Jess used what she noticed to draw this net.

Top half

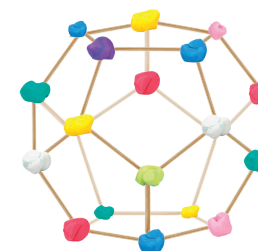


add a bottom face to each top face



- Will the net fold to make an octahedron?
- How can you tell?
- Cut out your copy of the net and fold it to check.
- Try to draw a different net that will fold to make an octahedron.

2 Build this shape.



Dodecahedron

The net has been started.

Use what you notice about the faces and the shapes around a vertex to finish your copy of the net.

