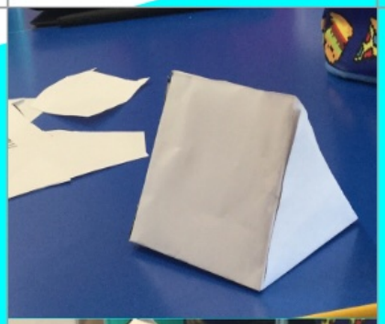
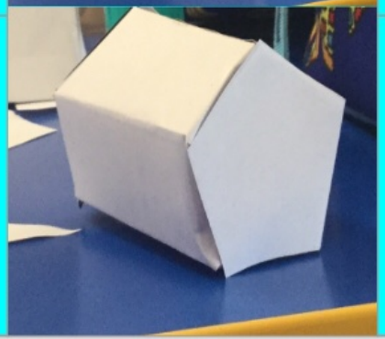
Antarctica Nets

3D Nets

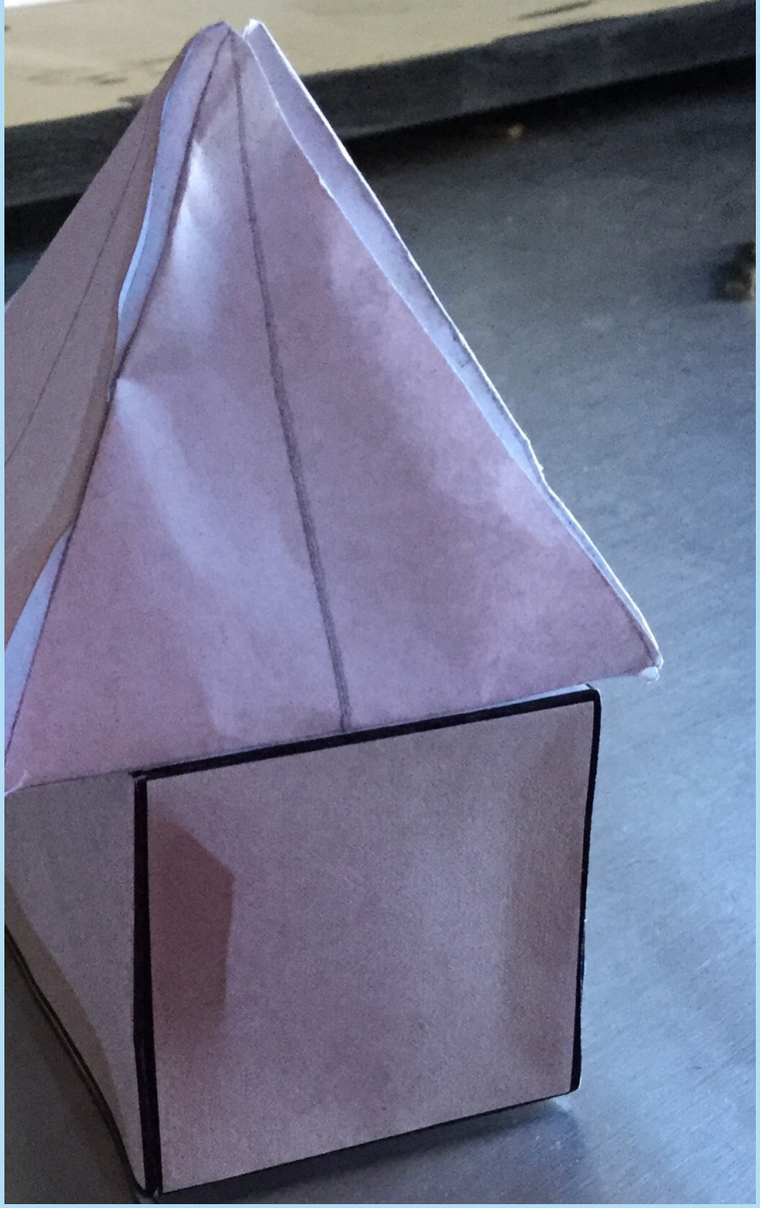
What are the names of these 3D shapes and their properties?

Shape (Names)	Faces (Flat or Curved)	Vertices (Corners where edges meet)	Edges (Where two faces meet)	Photo	Where can this shape be found in this environment?
Triangular Prism	5	6	9		Tent
Pentagonal Prism	7	10	15		Some Dice

Process

We had to design a tent that would withstand the temperature and climate in Antarctica, the wind and snow. The first thing we had to do was pick two or more shapes to put together to make a tent to survive in Antarctica. The two shapes that I chose were a square and a triangle, I chose these two because, with the triangle on top snow would slide down.

This was our prototype for our Antarctica tents.



This is my prototype

Process

The next step was using popsicles sticks and hot glue to make our structures, we made our frames out of popsicles sticks and then once we had finished that we had one more thing to add.
The last thing we had to glue on was fabric, to make walls for our structures to make sure it isn't cold inside. We cut out our fabric for our tents and glued them on and then we were done.

Achievements

Shape: Level 4
Identify classes of two- and three-dimensional shapes by their geometric properties.

Shapes: Level 4
Relate three-dimensional models to two-dimensional representations, and vice versa.