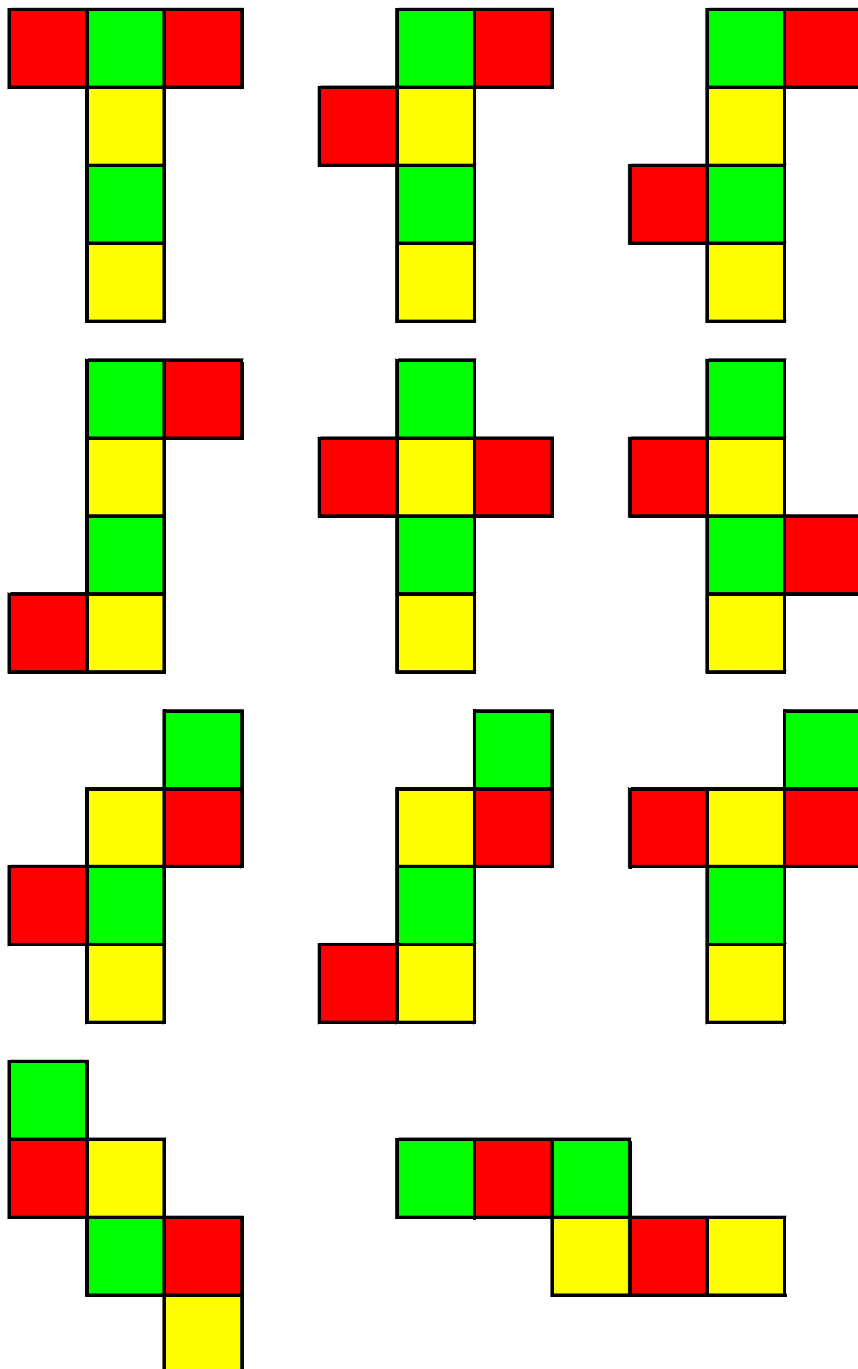


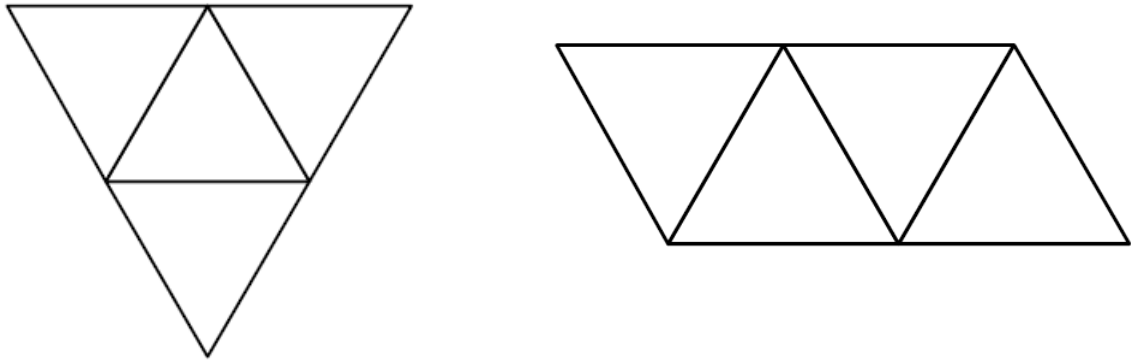
Different nets

Yue Kwok Choy

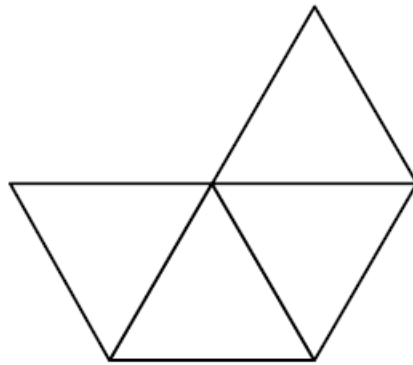
- Visit www.peda.com/poly/ to download a free software “poly” to understand 3-D solids.
 - Download Google sketchup : <http://sketchup.google.com/intl/en/download/index.html> and learn how to use it for drawing 3-D objects. You may use www.youtube.com to search for videos helping you to learn Google sketchup.
- A net is a two-dimensional pattern for a solid.
- There are 11 different nets for a cube (regular hexahedron). Rotation and reflection of any one of the nets can be made. The opposite faces of the cube are painted with the same colour.



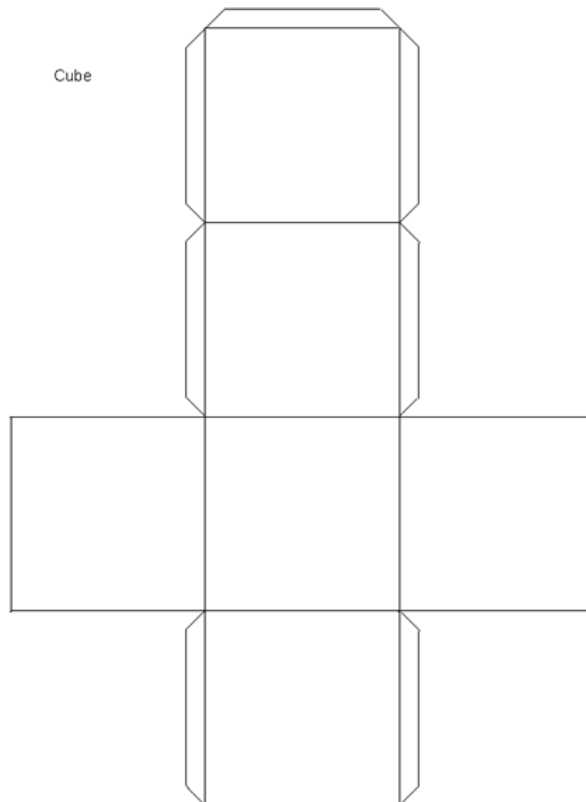
4. There are only 2 different nets for a right pyramid (regular tetrahedron).



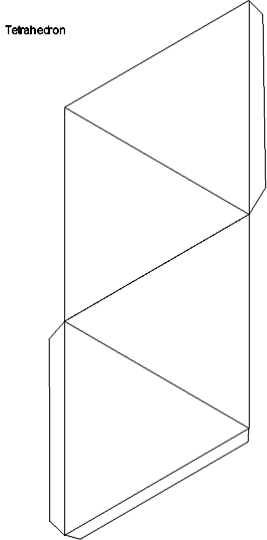
Note that not all net with 4 equilateral triangles can be folded to form a regular tetrahedron .



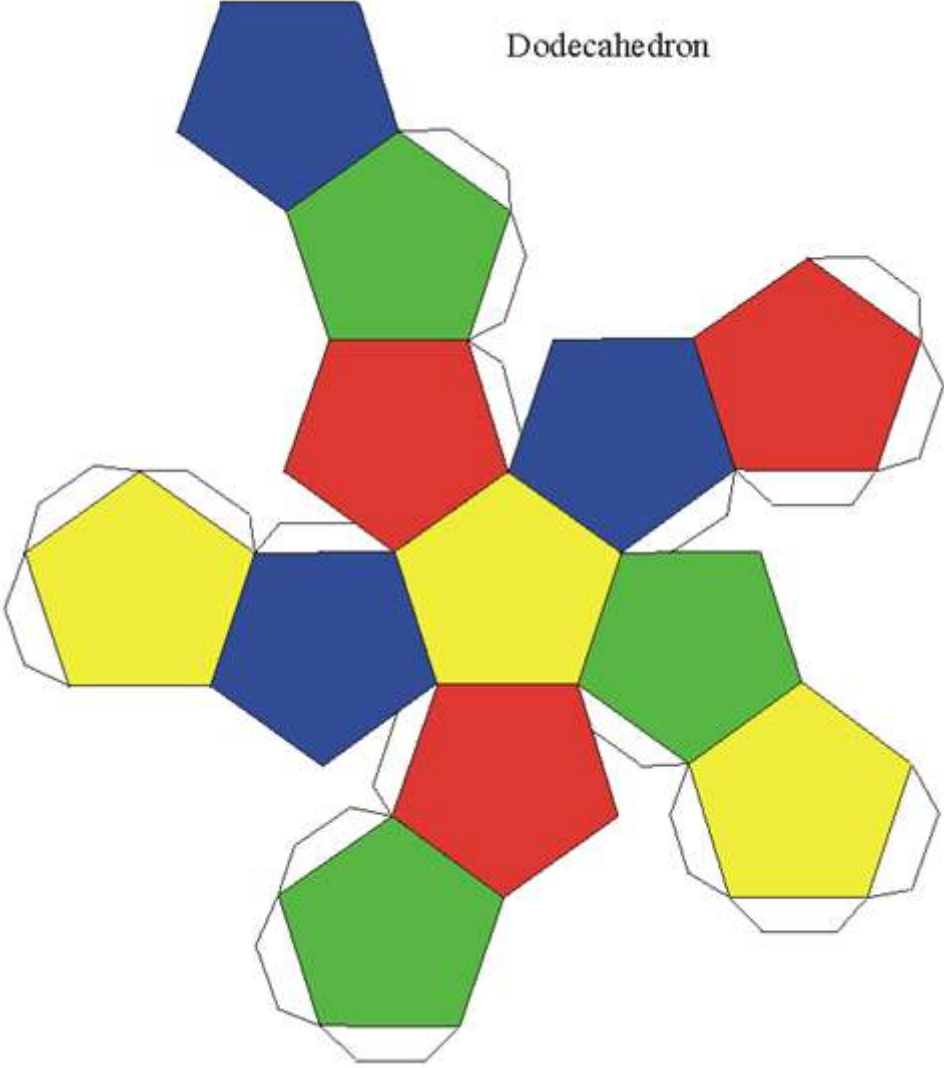
5. There are 5 Platonic solids (regular convex polyhedra). You may make models of them.
(a) Hexahedron (Cube)



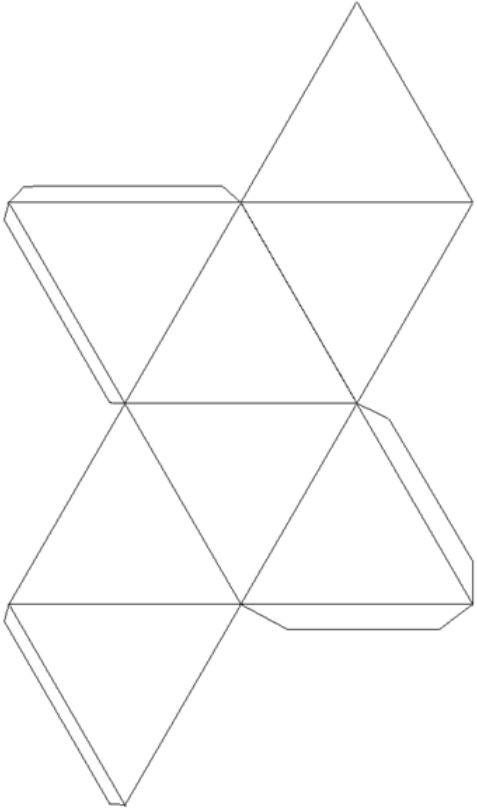
(b) Tetrahedron



(c) Dodecahedron



(d) Octahedron



(e) Icosahedron

