

3D Objects

prism

- a 3-dimensional object made from 2 identical polygons (the ends, or bases), connected by rectangular sides

* base is the side the prism is named for.

rectangular
prism



(base is a rectangle)

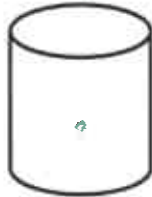
triangular
prism



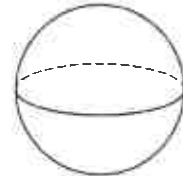
(base is a triangle)

We will also be working with the following 3-dimensional objects:

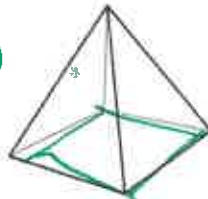
cylinder



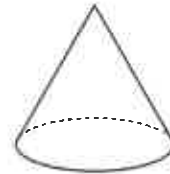
sphere



pyramid
(square-based)



cone

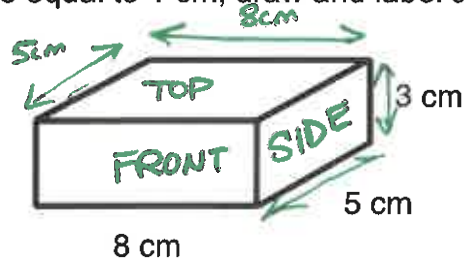


Nets

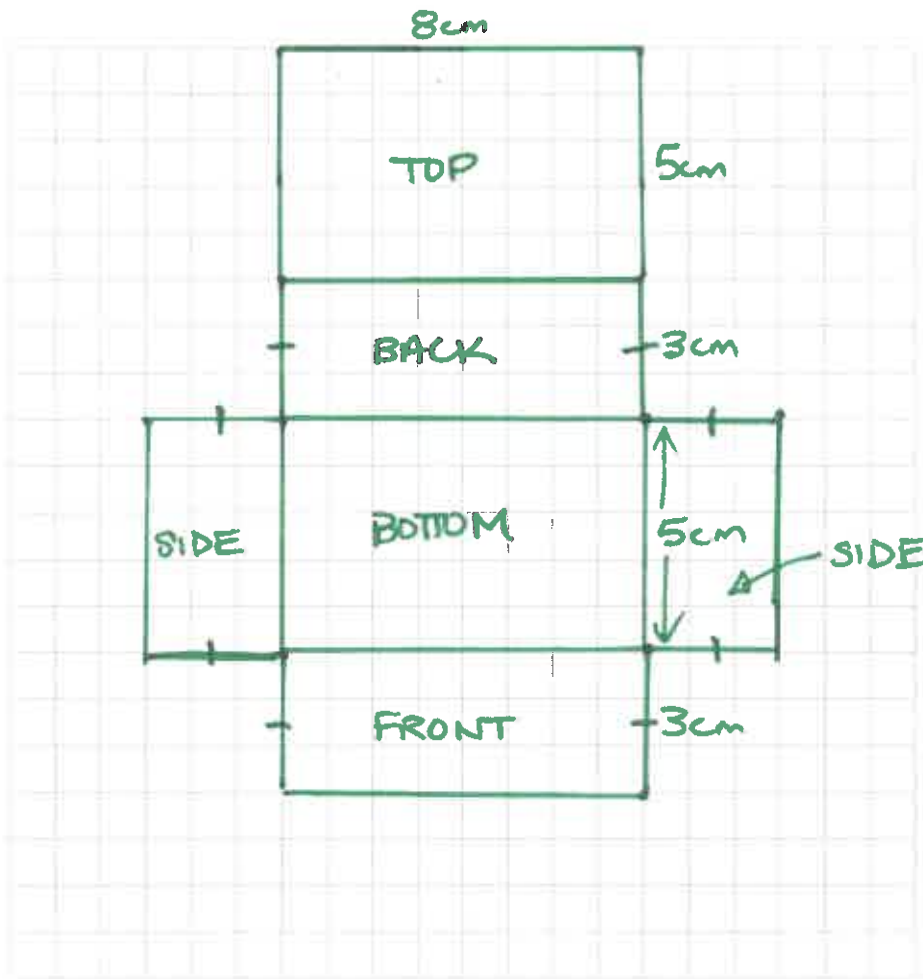
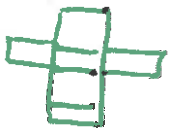
A net is a 2-dimensional pattern that you could cut and fold to make a model of a 3-dimensional shape.

Example

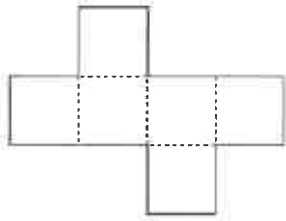
Using a scale of one square equal to 1 cm, draw and label a net for the following prism.



*USE
a ruler!*



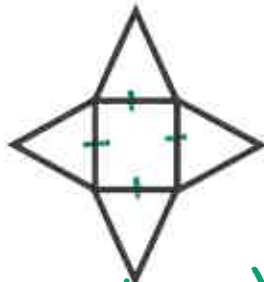
Name the 3D object made from each net.



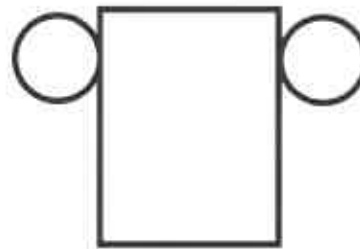
cube



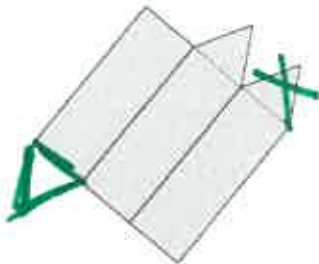
triangular prism



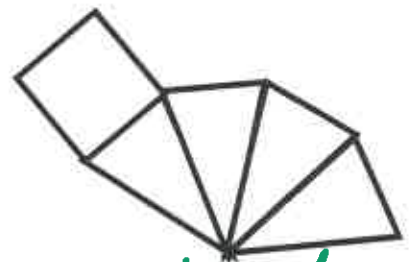
square-based pyramid



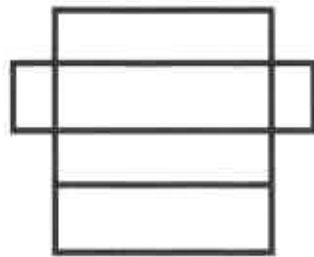
cylinder



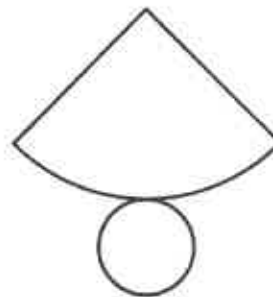
if we fix it
→ triangular prism



square-based pyramid



rectangular prism



cone