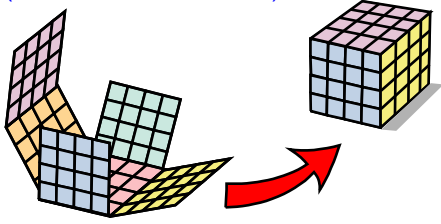


1 The cube (4th to 6th classes)



Puzzle: Make the skeleton of a cube from matchsticks and blobs of plasticine. How many of each will you need?

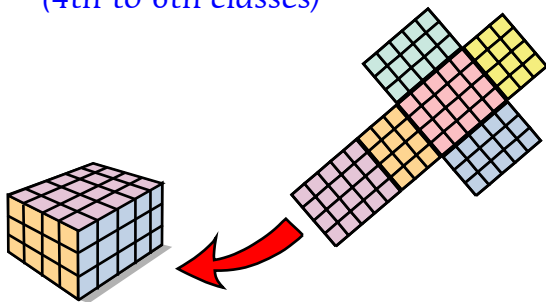
Construct each shape from its net using sticky tape. To make folding easier and more accurate score each fold with a blunt point such as a used biro.

Study each shape and complete each table. Try to complete each puzzle also.

THE CUBE

Number of faces	Number of edges	Number of vertices	Number of edges meeting at a vertex

2 The cuboid (4th to 6th classes)

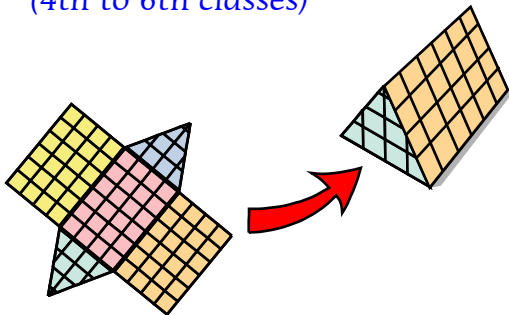


THE CUBOID

Number of faces	Number of edges	Number of vertices	Number of edges meeting at a vertex

Puzzle: Draw the net and construct a cuboid with two square and four rectangular faces. Is it possible that a cuboid can have four square and two rectangular faces?

3 The prism (4th to 6th classes)

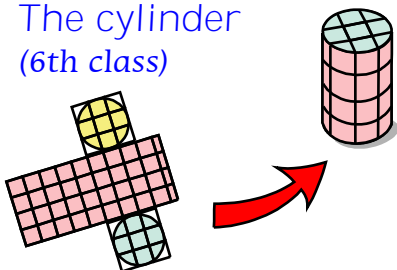


THE PRISM

Number of faces	Number of edges	Number of vertices	Number of edges meeting at a vertex

Puzzle: Construct the skeleton of a prism from matchsticks and blobs of plasticine. How many of each will you need? What will be the shape of the quadrilateral faces?

4 The cylinder (6th class)



When cutting the net of the cylinder, trim the circular faces but try not to separate them from the rectangle. Shape the rectangle into a curve and seal the ends with sticky tape.

THE CYLINDER

Number of faces	Number of edges	Number of vertices	Number of edges meeting at a vertex
		0	0

Puzzle: Draw the net of a cylinder by tracing around a tin or box which is about twice as wide as it is tall.