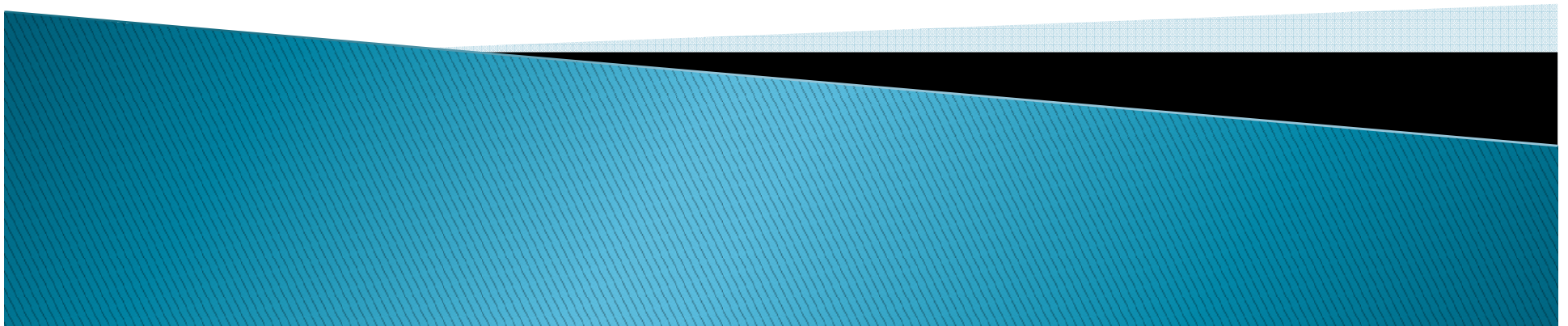


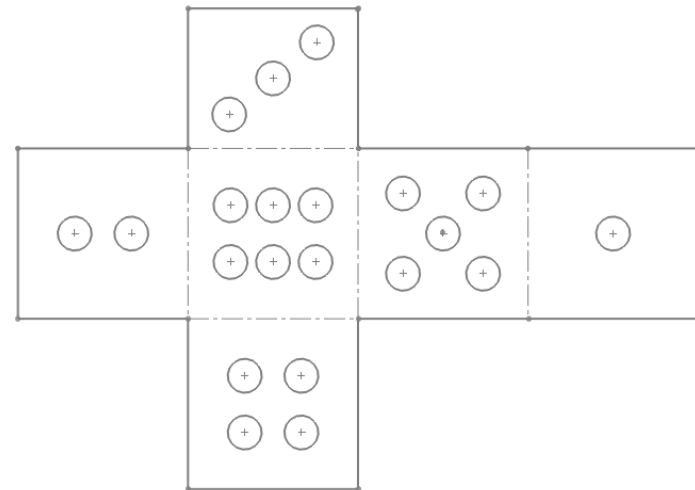
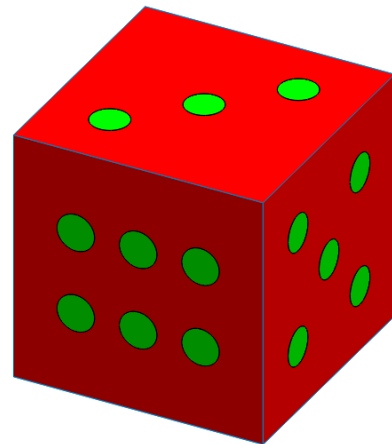
Developments

Developing Simple Objects



Developments

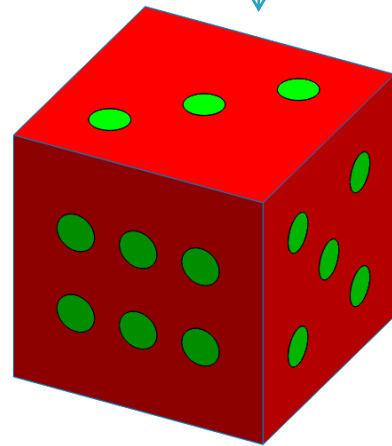
- ▶ In manufacture, many objects like boxes for example, are made from a single sheet of material.
- ▶ If we were to unfold out an object, we would see what the sheet looked like before it took its shape.



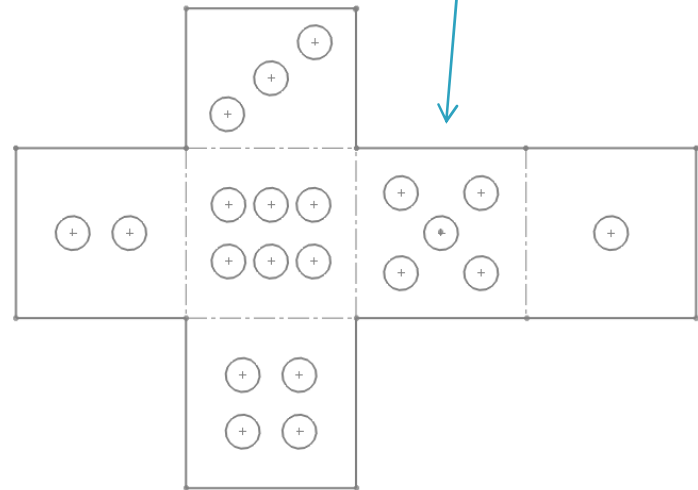
Developments

- ▶ Every line in a development represents the true length of the line.
- ▶ Every surface in a development represents the true shape of the surface.

Object

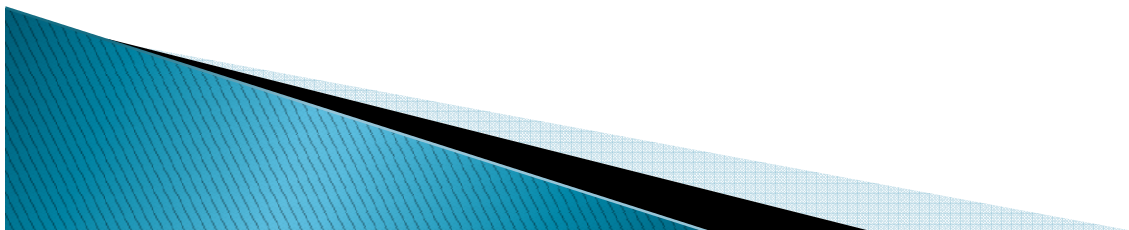
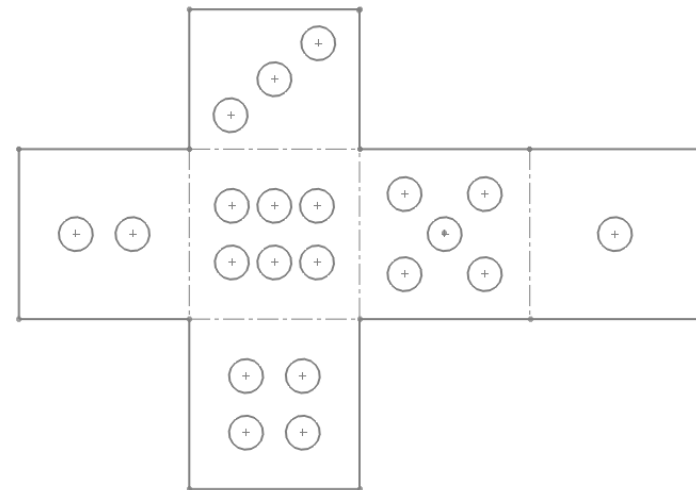


Development
(developed object)



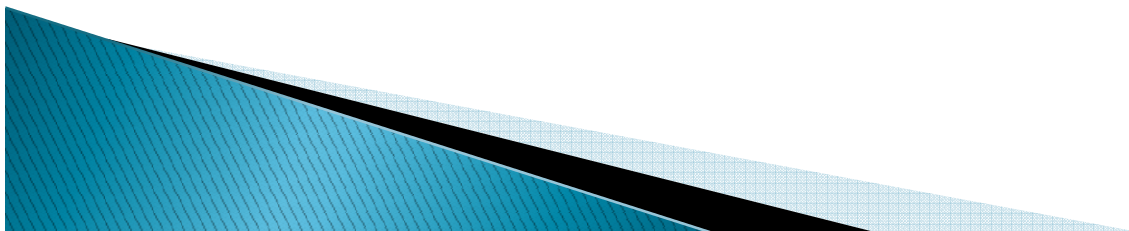
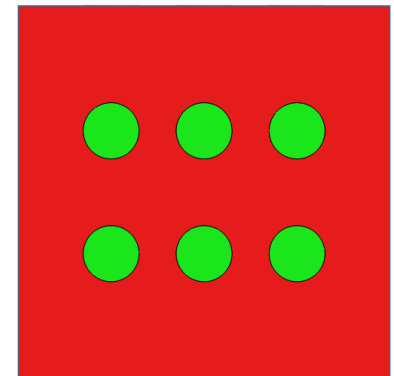
Developments

- ▶ To find the length of a line for the development, we must look in perpendicular to the face that the line is located on.
- ▶ Since this is a dice, all the surfaces are the same shape and size.
- ▶ We must locate the true length of any one line to be able to draw the square surfaces.



Developments

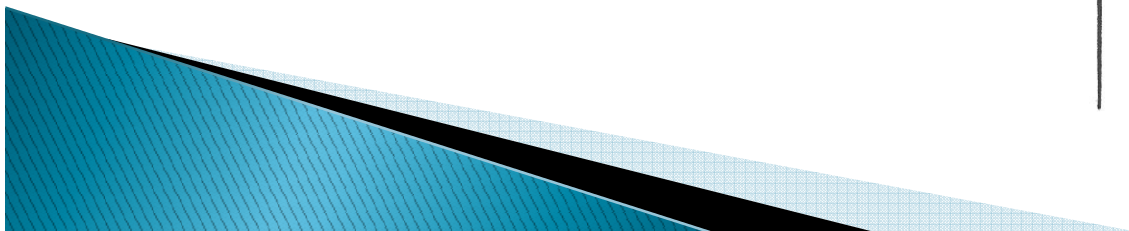
- ▶ To find the true length of a line, we must look in perpendicular to the face which the line is located on.
- ▶ Now that we are looking perpendicular to the face of the dice, we can automatically see the true shape of the surface and therefore the edges must be true lengths.



Developments

- ▶ As two surfaces are folded out, the line along which these surfaces unfold is called the fold line, and denoted by a double dash fold line in a drawing.

Double dash fold line →



Video

- ▶ The video shows an pentagonal prism with one open end.

