Numeracy Gem 17

face   edge   vertex
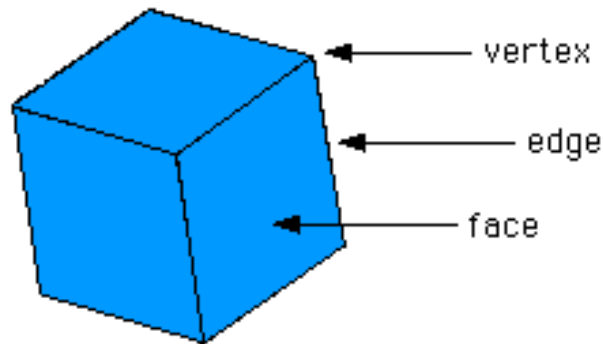
A flat surface of a three-dimensional shape.

A line on a solid, where two faces meet.

A corner. Several corners are called vertices.

vertex

edge

face

A cube has
6 faces, 12 edges and 8 vertices

Puzzle

I have 30 socks in a draw.
10 are black, 8 are white, 3 are pink, 5 are blue and 4 are green.
What is the least amount of socks I need to pick out to make sure I have a matching coloured pair?

Puzzle Answer

I have 30 socks in a draw.
10 are black, 8 are white, 3 are pink, 5 are blue and 4 are green.
What is the least amount of socks I need to pick out to make sure I have a matching coloured pair?

6 worse case scenario first 5 are all different colours, 6th must be a match.