

Problem 34 Numbers [2.1]

I have 30 socks in my drawer and they vary in colour. I have 12 black, 10 blue, 2 brown and 6 grey socks. If I close my eyes and pull socks out at random, how many socks must I pull out before I can be certain to have a matching pair?



Problem 35 Shapes & Space

Ravi wants to paint a cube so that no opposite faces are the same colour. What is the least number of paint colours she should buy?

