Junior Problems: Term 2 Week 6

CGS Maths Club

June 1, 2023

Problem 1. You have twelve red, eight blue and seven green socks. How many socks need to be selected at random to ensure that you have a matching pair?

Problem 2. Type the number of seconds in a week using the smallest number of characters!

Problem 3. Alice and Bob roll an unbiased 6-sided die until two consecutive rolls are the same. They add up the scores from all of the rolls. If the total is even, Alice wins; if it is odd, Bob wins. Who is more likely to win?

Problem 4. Find the largest and the smallest 4-digit numbers n such that when you erase the first two digits of n, you get the sum of the digits of n.

Email Garv if you have any question:D