Math with Sean

2020-04-04

2016 Pascal Contest

Need to lount these. #25 a 60 f

e 0 f

h, i

11. on 5010 Assume centre = 0. Then double the count. Count (e=0) +2 = Count() $b=0 \Rightarrow h=1$ Wrong Count(e=0, b=0) Count () = 2x Count (e) $=2 \times 2 \times \text{Cout}(e=0, b=0)$ $=4 \times \text{Cout}(e=0, b=0)$ +1 forget to consider b=1 and h=1

Assume
$$a = bo = c$$
 $d = 0$
 $d = 0$

Assure diagondl WRONG!

22. n>0 $n \neq 4 m$ n med 470 n = Aa + ba = # of complete groups of 4 06664 6=1,2,3 N= 3c + a d=1,2 c = a + 3n=2e+f f = 1e = c + 5= a + 3 + 5= a + 8 n=2(9+8)+1 =2a+16+1= 2a+17=4a+6

17 = 2a+b