

NINES AND TENS



Both 9 and 10 can be made up in 2 different ways by adding pairs of the numbers 1, 2, ... 6, that is

$$9 = 3 + 6 = 4 + 5$$

$$10 = 4 + 6 = 5 + 5$$

Explain why it is that, when you throw two dice, you are more likely to get a score of 9 than of 10.

What about the case of 3 dice?

Is a score of 9 more likely than a score of 10 with 3 dice?

HELP

TOTAL SCORE ON TWO DICE						
Red → Blue ↓	1	2	3	4	5	6
1						
2		4	5			
3		5				9
4			7		9	
5		7				
6	7					

You could fill in this table and count the number of outcomes.

NEXT

If Busi has 3 children what is the probability that at least one will be a girl?

Imagine tossing a coin three times. What's the probability you will get a head on at least one of the tosses?

What connection is there between the coin tossing experiment and the number of girls in family of brothers and sisters?

At Least One <https://aiminghigh.aimssec.ac.za/years-8-10-at-least-one/>