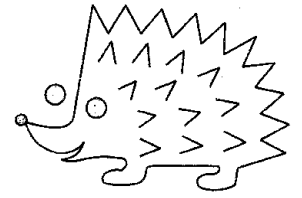


Randomness Sheet 2



Hedgehog Mathematical Sheets

i) Is your die fair?

Roll a normal six-sided die many times (but a multiple of 6), recording each roll in the tally chart. Fill in the totals and then answer the questions on the right.

Number	Tally	Total
1		
2		
3		
4		
5		
6		
	No. of rolls	

a) No. of rolls \div 6 =

Circle one word and explain your choice.

b) My die is FAIR / UNFAIR because

ii) How hard is it to roll a six?

a) How many rolls do you think are needed on average to get a six?

Roll a normal six-sided die until it lands on six, counting how many rolls it took. Record how many rolls you needed in the tally chart; repeat lots of times! There are blank rows in case you need higher numbers.

Rolls	Tally	Total	Rolls	Tally	Total
1			9		
2			10		
3			11		
4			12		
5					
6					
7					
8					

b) What did you notice about the results? _____
