

Student 5: Low Achieved
NZQA Intended for teacher use only

Question

How many sixes would I expect to get when five dice are rolled?

1

Plan

I am going to roll five dice together and count the number of sixes.

I am going to roll the five dice 50 times.

The number of sixes I can get could be all of the dice showing a six, none of them showing a six and any number in between.

2

Number of sixes		Number of times	Probability
0		21	0.42
1		20	0.40
2		6	0.12
3		2	0.04
4		1	0.02
5		0	0.00

3

4



The most common number was 0.

The larger numbers happens less times than the smaller numbers.

5

I would expect to get 0 or 1 six when I toss five dice.

6