

Find the theoretical and empirical probability.

Theoretically:

Ex: The sum of 2 dice is even or less than 5.
 $\frac{18}{36}$ or $\frac{20}{36}$

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

$$\frac{20}{36} = 55.56\%$$

Empirical: Looking for - an even # or 3

Empirical Data:

Trial #	Sum
1	4 ✓
2	6 ✓
3	2 ✓
4	8 ✓
5	9

success

$$\frac{4}{5} = 80\%$$

The probability that you actually get.