

Number cube

Number of Trial	Outcome
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
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23	
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26	
27	
28	
29	
30	

Theoretical

Sample Space = 1, 2, 3, 4, 5, 6

$$P(\text{even}) = \frac{3}{6} = \frac{1}{2} = .5 = 50\%$$

$$P(\leq 5) = \frac{5}{6} = .83 = 83\%$$

$$P(1 \text{ or } 5) = \frac{2}{6} = \frac{1}{3} = 33\%$$

Experimental

$$P(\text{even}) =$$

$$P(\leq 5) =$$

$$P(1 \text{ or } 5) =$$

Whole class

$$P(\text{even})$$

$$P(\leq 5)$$

$$P(1 \text{ or } 5)$$

The more trials you have the closer you get to results to be theoretical