

Probability

$1/2$ or 50%

half , 10 , 50%

Theoretical Probability

what you expect to happen

Experimental Probability

$$\frac{13 \times 5}{20 \times 5} \frac{65}{100} = 65\% \quad \text{20 Times}$$

$\frac{26}{50}$ ← frequency of what you are measuring
 50 ← total # of trials

$$\frac{26 \times 2}{50 \times 2} \frac{52}{100} = 52\% \quad \text{50 times}$$

Trial: one round in a probability experiment

Outcome: A possible result in a probability experiment

Event: a set of outcomes with the same result

$$= \frac{\text{the \# of successful trials}}{\text{the \# of total trials}}$$

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