

EXPERIMENTAL PROBABILITY 1

The probability of an event is a measure of the likelihood of an event occurring. Probability can be written as a fraction.

$$\text{Probability} = \frac{\text{Number of outcomes in the event}}{\text{Number of possible outcomes}}$$

If you toss a coin, what is the probability that it will show heads.

$$\text{Probability} = \frac{\text{Number of outcomes in the event} = 1 \text{ (one heads)}}{\text{Number of possible outcomes} = 2 \text{ (heads or tail)}}$$

Exercise

Observe the bag of marbles below then answer the following questions. Find the probability for each of the following.



1. A green marble.
2. A yellow marble
3. A red marble
4. A blue marble
5. Not a blue or red marble
6. Not a blue marble
7. A green, red or blue
8. marble

