

Probability

$$\frac{\text{favorable}}{\text{total possible}}$$

example: 5 red marbles
7 blue
10 green
2 black

Probability of getting a blue?

$$\frac{\text{blue}}{\text{total}} = \frac{7}{24}$$

$$7 \div 24 = 0.29 \Rightarrow 29\%$$

Prob of red or black?

$$\frac{\text{red+black}}{\text{total}} = \frac{7}{24} = 29\%$$