

Calculating Probability

Calculate the probability of each event.

Event #1:

Rolling an even number on a 6-sided dice.

Number of ways the event can happen.

→

Number of possible outcomes.

→



Event #2:

Rolling a 12-sided dice and getting a 2 or a 3.

Number of ways the event can happen.

→

Number of possible outcomes.

→



Event #3:

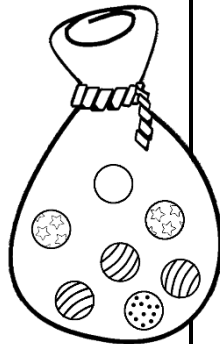
Pulling a striped marble from the bag.

Number of ways the event can happen.

→

Number of possible outcomes.

→



Event #4:

Flipping two coins at the same time and getting tails on **both**.

Number of ways the event can happen.

→

Number of possible outcomes.

→



Event #5:

Rolling an odd number on a 12-sided dice.

Number of ways the event can happen.

→

Number of possible outcomes.

→



Event #6:

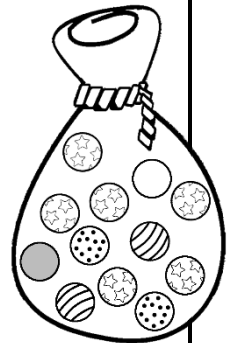
Pulling any marble **other than** white from the bag.

Number of ways the event can happen.

→

Number of possible outcomes.

→



Calculating Probability **Answers**

Calculate the probability of each event.

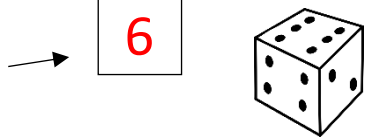
Event #1:

Rolling an even number on a 6-sided dice.

Number of ways the event can happen.

$$\frac{3}{6} \text{ (or } 1/2\text{)}$$

Number of possible outcomes.



Event #2:

Rolling a 12-sided dice and getting a 2 or a 3.

Number of ways the event can happen.

$$\frac{2}{12} \text{ (or } 1/6\text{)}$$

Number of possible outcomes.



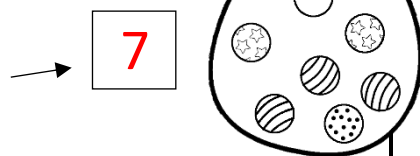
Event #3:

Pulling a striped marble from the bag.

Number of ways the event can happen.

$$\frac{3}{7}$$

Number of possible outcomes.



Event #4:

Flipping two coins at the same time and getting tails on **both**.

Number of ways the event can happen.

$$\frac{1}{4}$$

Number of possible outcomes.



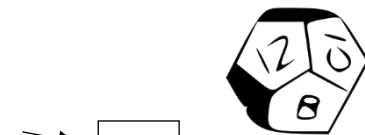
Event #5:

Rolling an odd number on a 12-sided dice.

Number of ways the event can happen.

$$\frac{6}{12} \text{ (or } 1/2\text{)}$$

Number of possible outcomes.



Event #6:

Pulling any marble **other than** white from the bag.

Number of ways the event can happen.

$$\frac{11}{12}$$

Number of possible outcomes.

