

Independent & Dependent Events

What is an Event?

An event is something that happens.

Examples: it rains tomorrow, you roll a 3 with a die, you wear a blue shirt or if you pick a red marble out of a bag of mixed marbles.

The chance of an event happening can be **certain, likely, equally likely, unlikely** or **impossible**.

Independent Events	Dependent Events
<p>An event happening does not depend on or affect another event happening.</p> <p>Example: Jim wearing a red shirt does not affect Lucy wearing red shirt, unless there is only one red shirt. Both events are separate and do not affect each other.</p>	<p>An event happening depends on or affects another event happening.</p> <p>Example: If it rains today, it cannot be dry at the same time. It is not possible. Both events are connected and affect each other.</p>

Instructions: Circle independent or dependent for the events below.

1	Eating food and getting full.	Independent Dependent
2	You roll a 3 then a 4 on a 6-sided die.	Independent Dependent
3	You spin a spinner four times.	Independent Dependent
4	You toss a coin twice.	Independent Dependent



5	Going to the cinema and eating bread for breakfast.	Independent	Dependent
6	Committing a crime and then going to jail afterwards.	Independent	Dependent
7	Winning the lottery and watching a movie.	Independent	Dependent
8	Driving a car and getting into a car accident.	Independent	Dependent
9	Drawing a card from a pile without replacing it. Then drawing another.	Independent	Dependent
10	Joanne gets an A in Science and Bradley gets a B in English.	Independent	Dependent
11	Running out of food then going grocery shopping.	Independent	Dependent
12	Justin buys the last loaf of bread at the store. James goes to the store to buy a loaf of bread afterwards.	Independent	Dependent
13	Driving to work and brushing your teeth.	Independent	Dependent
14	Sam and three other kids pick their favourite movie from a pile.	Independent	Dependent
15	The store closes. Jack goes grocery shopping.	Independent	Dependent