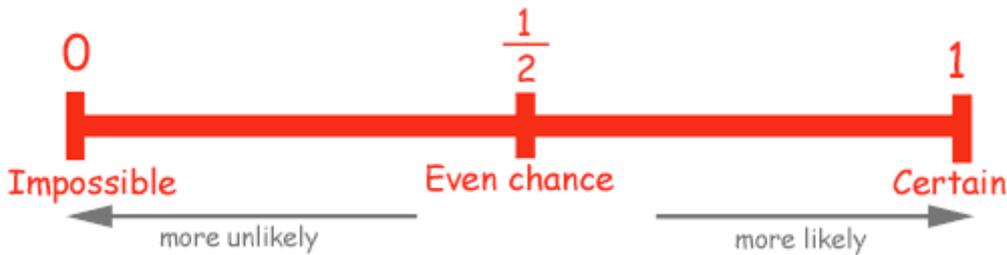


The probability scale

The chances of any event can be shown on a probability scale from 0 to 1:

- a probability of 0 tells us that the event will never happen - it's impossible
- a probability of 1 tells us that the event is certain to happen
- a probability of $\frac{1}{2}$ tells us that the event has an even chance of happening



Unlikely events are closer to **0** and likely events are closer to **1**. Here is a list of events. Some are likely, and some are not likely. Do you agree?

Unlikely		Likely
You will win the lottery.		You will not win the lottery.
You will meet someone today with the same birthday as you.		It will rain at least once in the next month.
It will rain for a month without stopping.		It will snow at least once next winter.

Here is the probability scale again with the events added.

