

Lesson 5- Probability

What do you need?

Pen and Paper

Blue Zone



Going slow

E.g. sad, sick, tired,
bored

Green Zone



Good to go

E.g. happy, calm,
focused, ok

Yellow Zone



Caution
Starting to lose control

E.g. worried, excited,
annoyed

Red Zone



Stop!
Out of control

E.g. angry, terrified,
elated

Definitions

Probability

A measure of how likely an event is to happen.

Random

If a letter is picked **at random** from the letters of the alphabet, this means that every letter has an equal chance of being picked.

If you choose a chocolate from a new box of chocolates, you will probably not do so **at random**; you'll probably choose your favourite on purpose and your least favourite will be left for last.

If you write down the name of each person in your class on a separate piece of paper of equal size, put them all in a bag, shake them around then take one out with your eyes closed, you would be picking a card **at random**.



Describing Probability Using Words

Probability is a measurement or description of how likely an event is to happen. We can give probability using numbers (fractions, decimals or percentages) or using words.

The terms that we use to describe the likelihood of an event are:

likely

unlikely

very likely

very unlikely

certain

impossible

even chance



Describing Probability Using Words

You should be familiar with most of these words from everyday life (if not from maths lessons) but can you give a definition of 'even chance' or an event which has an even chance of happening?

When the probability of an event is 'even chance', this means that it is as likely to happen as it is to not happen, for example:

If Gerald's puppy steals his shoe, there is an even chance that it will be the left shoe.



Describing Probability Using Words

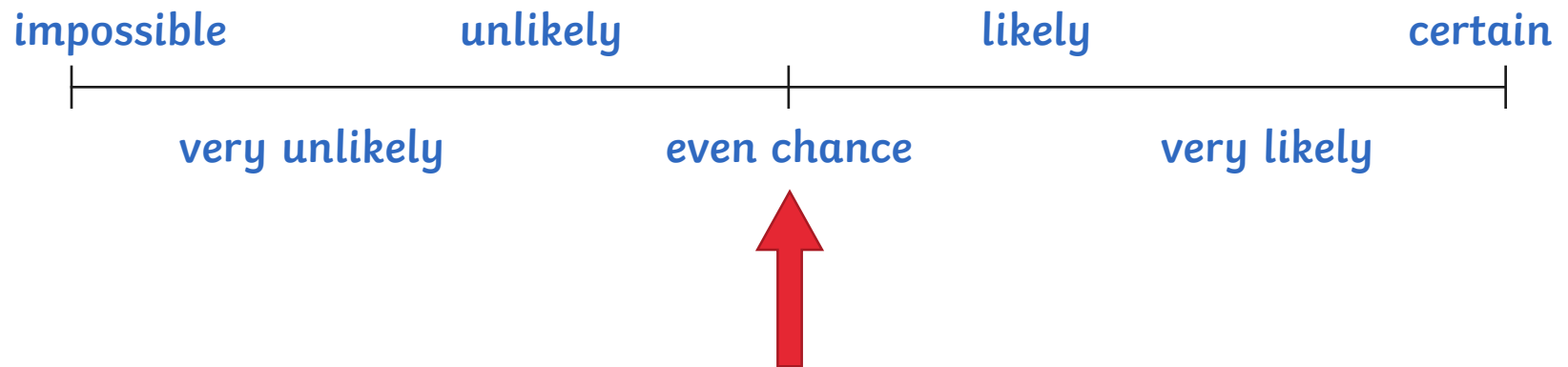
The order should be:

likely unlikely very likely
 very unlikely certain
impossible even chance



Describing Probability Using Words

We can show these descriptions of probability on a probability scale:

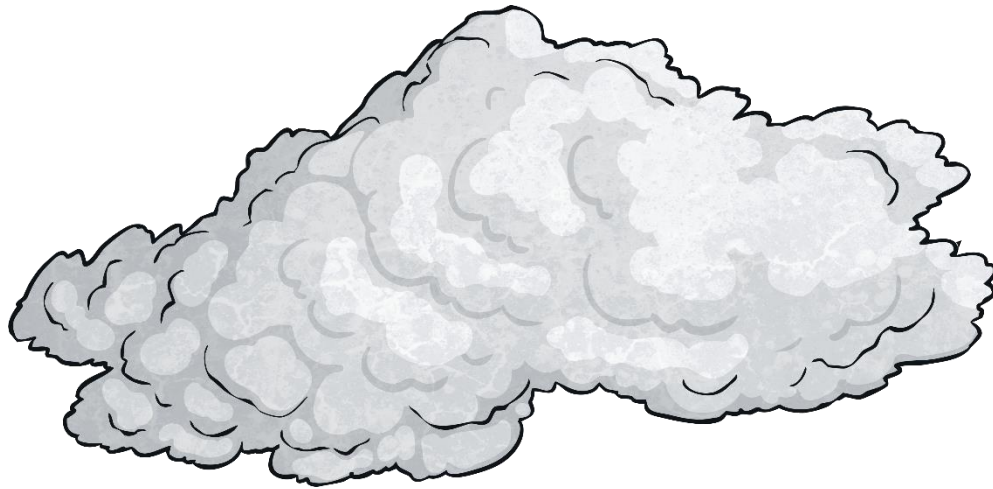


Even chance has to be right in the middle, because it describes a situation where the probability of an event happening is exactly equal to the probability of it not happening.

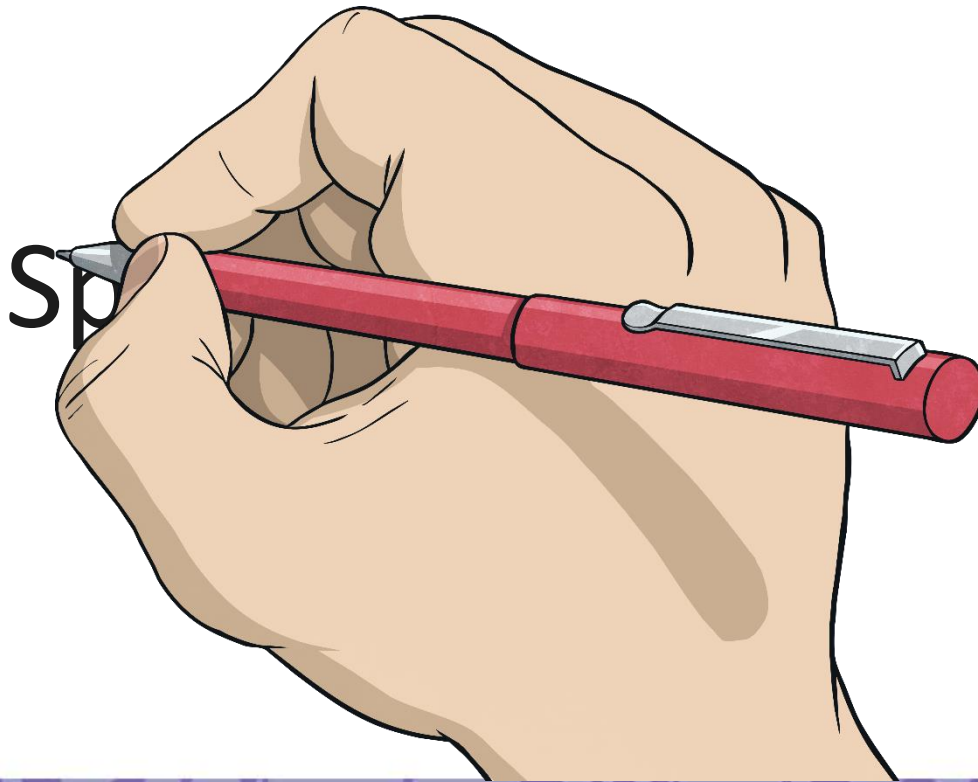
There will be daylight tomorrow.



It will rain tomorrow.



I will get full marks in the next
spelling test.



I will eat corn flakes for breakfast tomorrow.



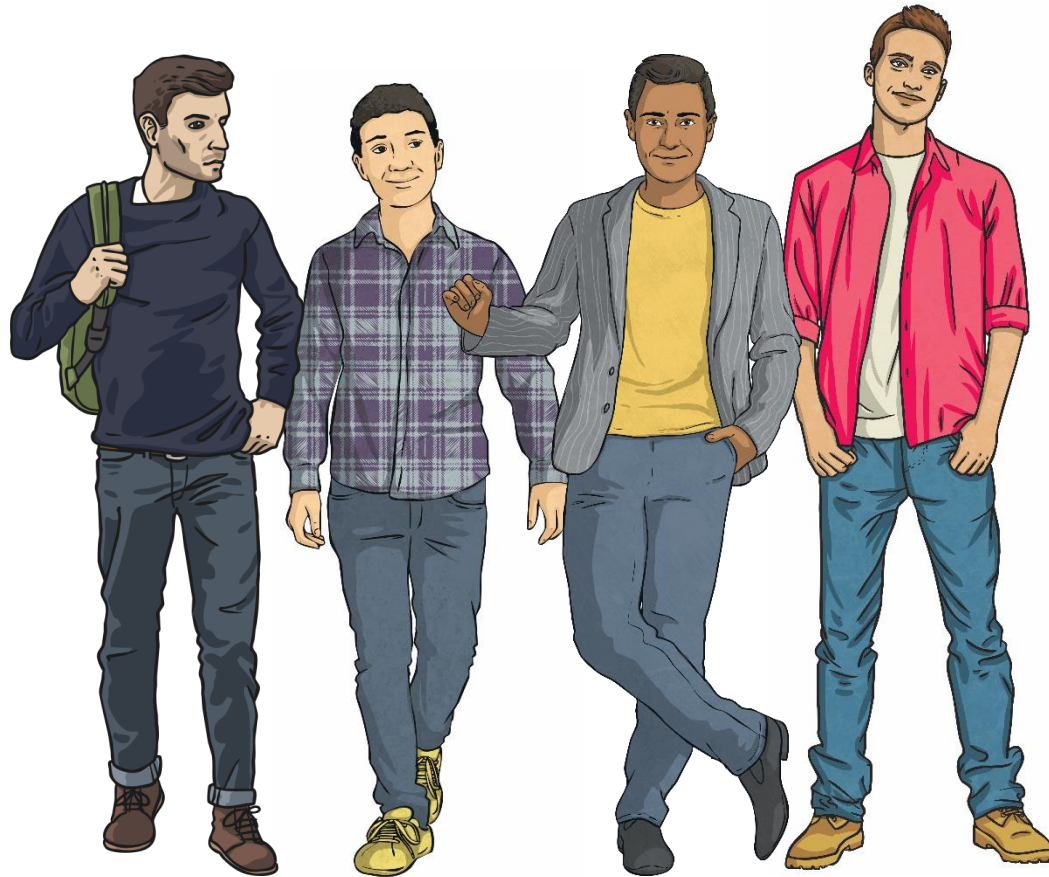
The head teacher will take the assembly tomorrow.



England will win the football
world cup next year.



One Direction will get together
again next year.



I will go home in a blue car.



It will snow tomorrow.



**My shoes will fall apart on the
way home.**



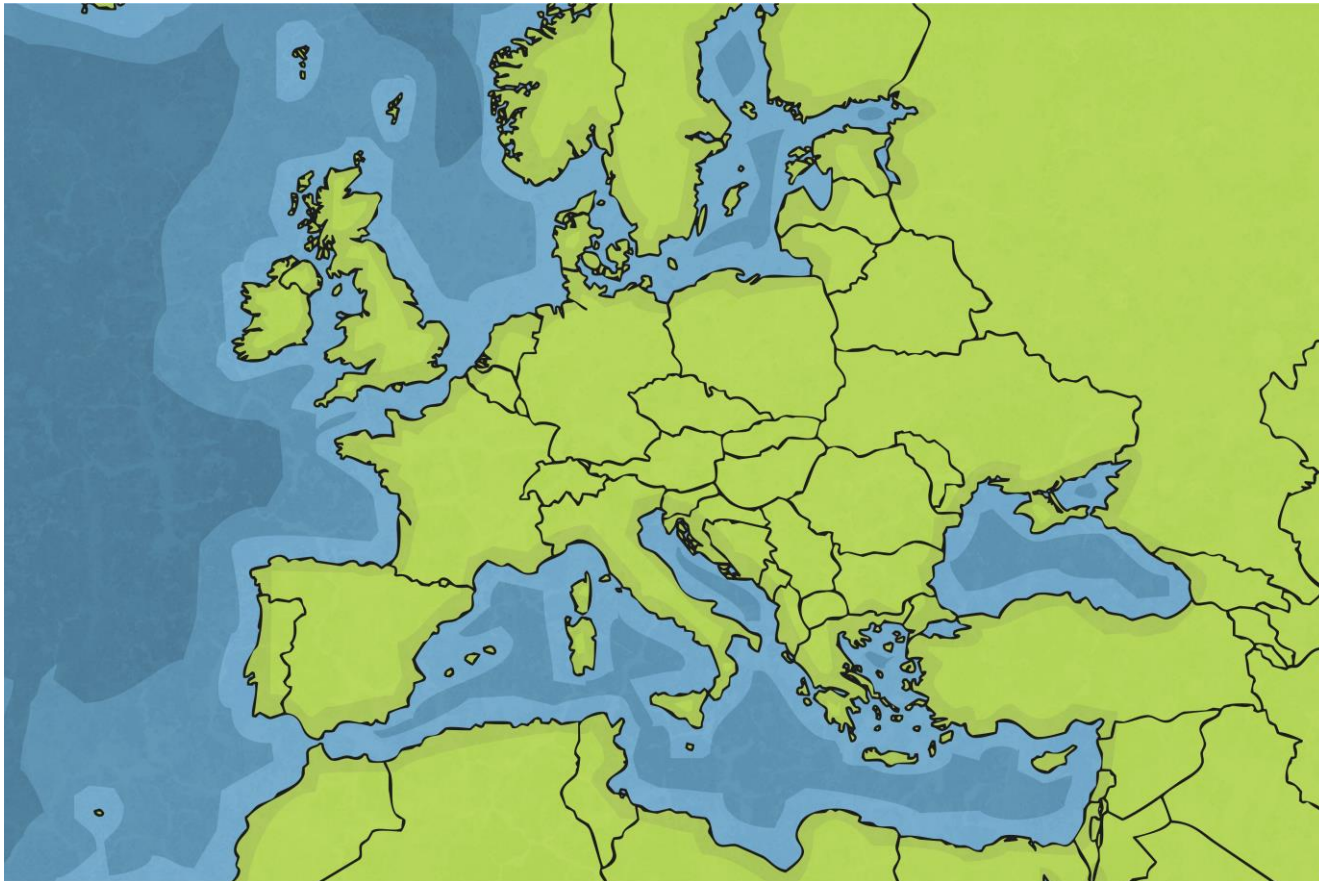
I will be famous when I grow up.



I will learn something today.



**I will visit mainland Europe
this year.**



**I will buy some new clothes
this week.**



**I will visit the dentist in the
next month.**



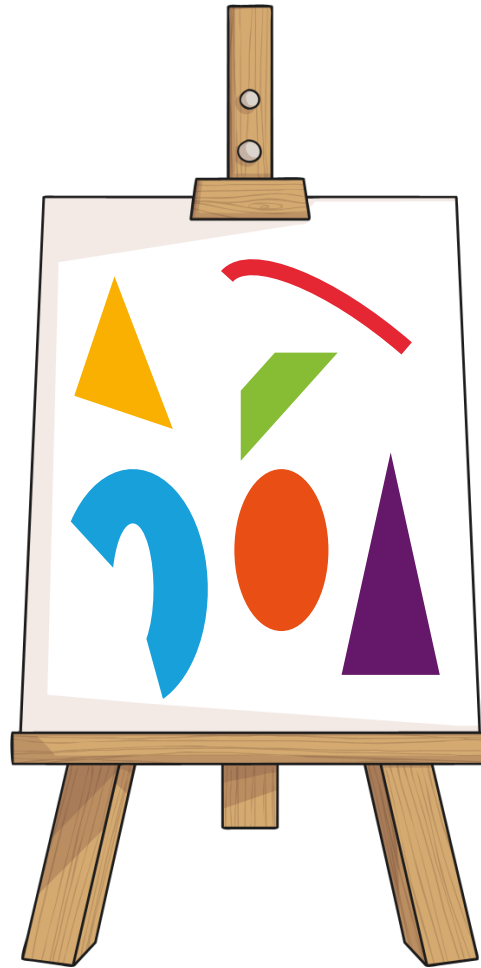
**I will swim the English Channel
sometime in my life.**



**Someone will send me a
text today.**



I will paint a picture this week.



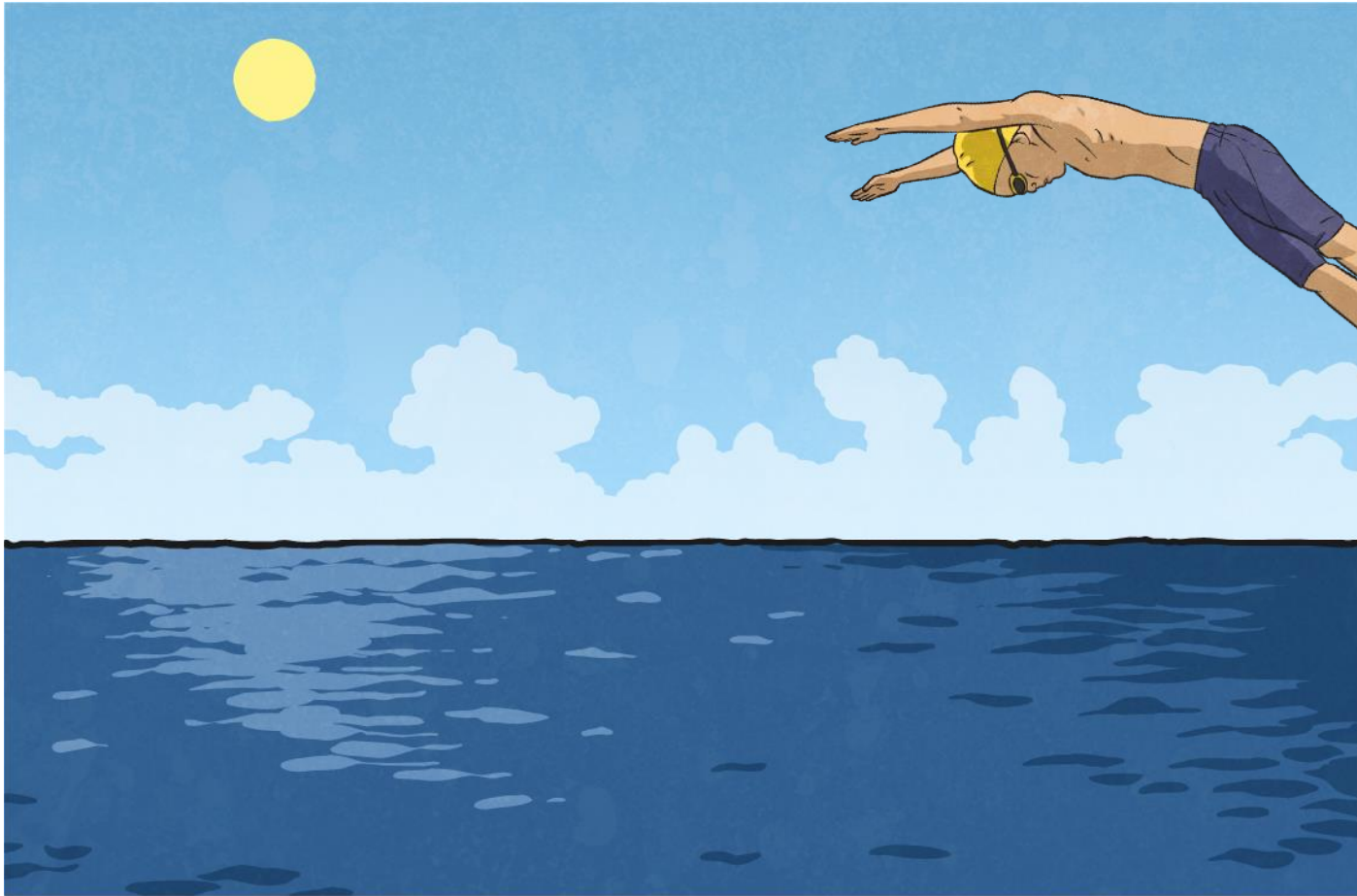
It will be sunny tomorrow.



I will sleep in my own
bed tonight.



I will swim in the sea this year.



I will get my hair cut this week.



Task;

Write down two things that
have a probability of....

Certain -

Likely -

Even Chance -

Unlikely -

Impossible -