
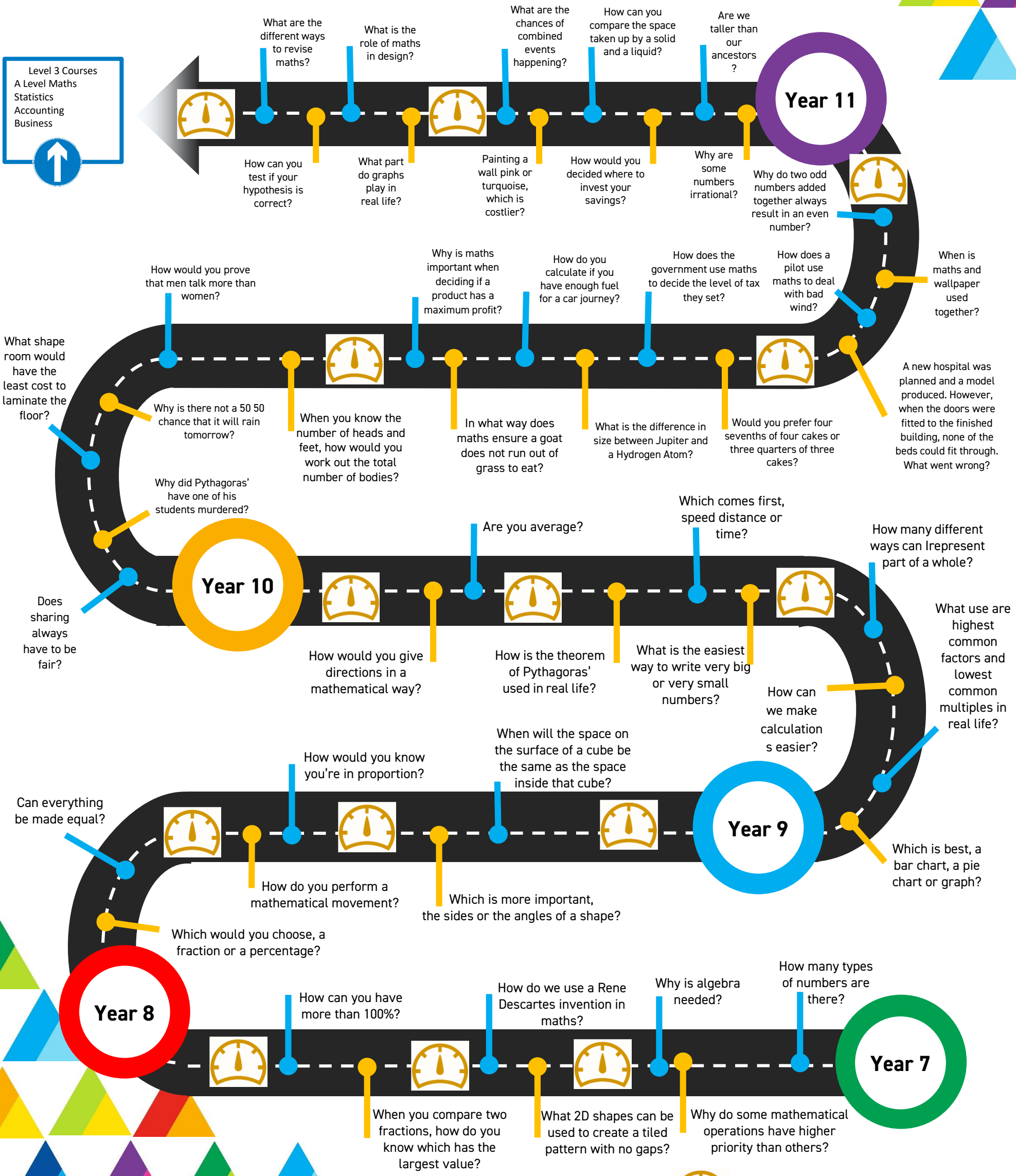




# MATHS LEARNING JOURNEY



Level 3 Courses  
A Level Maths  
Statistics  
Accounting  
Business

Year 11

Year 10

Year 9

Year 8

Year 7

What are the different ways to revise maths?

What is the role of maths in design?

What are the chances of combined events happening?

How can you compare the space taken up by a solid and a liquid?

Are we taller than our ancestors?



How can you test if your hypothesis is correct?

What part do graphs play in real life?

Painting a wall pink or turquoise, which is costlier?

How would you decide where to invest your savings?

Why are some numbers irrational?

Why do two odd numbers added together always result in an even number?

How would you prove that men talk more than women?

Why is maths important when deciding if a product has a maximum profit?

How do you calculate if you have enough fuel for a car journey?

How does the government use maths to decide the level of tax they set?

How does a pilot use maths to deal with bad wind?

When is maths and wallpaper used together?

What shape room would have the least cost to laminate the floor?

Why is there not a 50 50 chance that it will rain tomorrow?

When you know the number of heads and feet, how would you work out the total number of bodies?

In what way does maths ensure a goat does not run out of grass to eat?

What is the difference in size between Jupiter and a Hydrogen Atom?

Would you prefer four sevenths of four cakes or three quarters of three cakes?

A new hospital was planned and a model produced. However, when the doors were fitted to the finished building, none of the beds could fit through. What went wrong?

Why did Pythagoras' have one of his students murdered?

Are you average?

Which comes first, speed distance or time?

How many different ways can I represent part of a whole?

Does sharing always have to be fair?

How would you give directions in a mathematical way?

How is the theorem of Pythagoras' used in real life?

What is the easiest way to write very big or very small numbers?

How can we make calculations easier?

What use are highest common factors and lowest common multiples in real life?

Can everything be made equal?

How would you know you're in proportion?

When will the space on the surface of a cube be the same as the space inside that cube?

Which is best, a bar chart, a pie chart or graph?

How do you perform a mathematical movement?

Which is more important, the sides or the angles of a shape?

Which would you choose, a fraction or a percentage?

How can you have more than 100%?

How do we use a Rene Descartes invention in maths?

Why is algebra needed?

How many types of numbers are there?

When you compare two fractions, how do you know which has the largest value?

What 2D shapes can be used to create a tiled pattern with no gaps?

Why do some mathematical operations have higher priority than others?



Speed Check – Data will be taken to see if you need a diversion to your journey or extra support on the road.