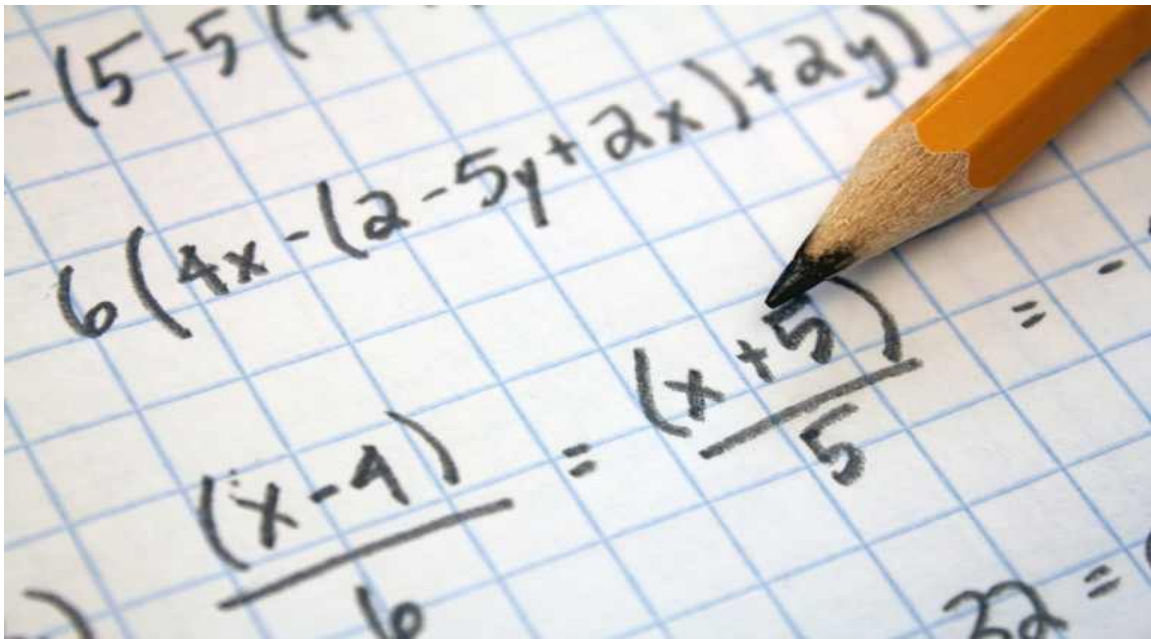


## WHY DO WE LEARN MATHS?



Maths is essential for daily life - to excel not only in the classroom but in everyday situations where maths is needed for adding up, dividing, measuring, and solving for the unknown. We use maths more than we think. Understanding numbers and the quantity they represent is essential. Maths relates to all areas of life.

Knowing that 36 oranges is less than 63 oranges is important. Which amount would you know to accept if you wanted more oranges? If the checkout lady gives you the wrong change at the counter, you need to know how much you have to ask them for. If you are estimating the number of apples you need for the week, you need to know the apples in your shopping cart correspond to the number of days in a week.



**Specific use of numbers** — when you go to the shop and buy a loaf of bread for the next week. The loaf of bread has 14 slices and you eat 2 slices of toast each day. Will that be enough? You either count the slices of bread for the next seven days or you estimate that loaf of bread will last you for the next week. We use numbers for volume, size, average weight, sales and

purchases.

**Relationship to numbers** — we create a literal relationship to numbers and what they mean. If we see the weather forecast at 38C we dress light for a hot summer's day. If we see the forecast says -14C we pack a jumper or a raincoat if its going to rain.



**Emotional connection to numbers** — we have an emotional connection to numbers. We use our understanding of numbers, scoring systems, adding, numbers greater than and less than when we want our local rugby team to win. 38 is higher than 32 so we get excited!!

**Employment opportunities** — higher maths skills creates more job opportunities. Did you know that low numeracy skills are linked to unemployment, physical illness, depression and incarceration? Multiple PISA studies show the direct relationship between maths and strong economic growth in countries around the world.



**Global trade and currency with numbers** — mathematics is a universal language. There are no misunderstandings, improper pronunciation or language barriers when using numbers. This makes it important for global trade, agreements, currency and conversion rates.

At Maths Australia, we empower you to teach sequentially and use a mastery-based approach. We teach you how to use blocks, books and

videos to engage each student and confirm their understanding of each topic before moving forward.

Being taught maths concretely and with a full understanding is essential. It's more than just finishing a lesson and ticking the box in an attempt to reach the finish line. Because what do we have then? Students and children that have completed all their maths and still can't understand that 5 cars plus 3 cars equals 8 cars? That doesn't work for anyone.

You can't do subtraction before mastering addition. You can't do division before mastering multiplication.

Simple steps, mastery-based.

That's how we teach.

Come learn with us!



To find out more about the award-winning Math-U-See program,

Contact us directly on 0432 264 822

Or email us at [info@mathsaustralia.com.au](mailto:info@mathsaustralia.com.au)

[www.mathsaustralia.com.au](http://www.mathsaustralia.com.au)