

Help Your Child Love Maths!

National Numeracy Champions

How do you feel about maths?

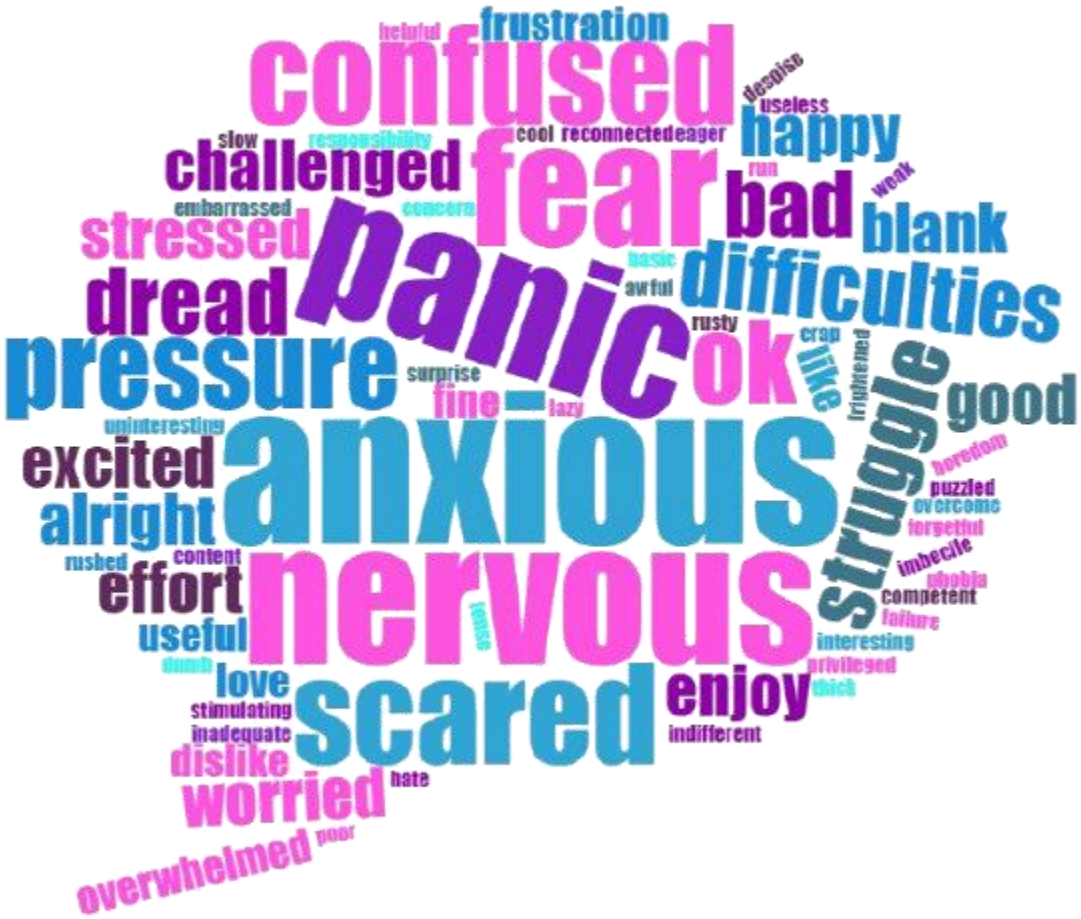


Discussion



How do you feel about maths?

How do you feel about maths?



National Numeracy's top tips for families

1

Point out maths in the real world



2

Be positive about maths



3

Praise effort rather than talent



4

Improve your own confidence



National Numeracy's top tips for families





Point out the maths in everyday life

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Maths in everyday life

Where do we see maths and numbers in everyday life?

"Students' motivation to learn maths is higher among students whose parents discuss how mathematics can be applied to everyday life," (The Programme for International Student Assessment 2013).



Discussion



Where do we see maths and numbers in everyday life?

Maths in everyday life



Planning journeys

- Using time
- Reading timetables



Shopping

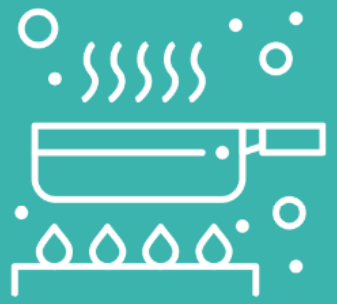
- Recognising coins
- Checking change
- Working out sale prices
- Using a budget



D.I.Y.

- Measuring materials
- Using ratios to mix materials

Maths in everyday life



Cooking

- Counting and weighing ingredients
- Using metric and imperial measurements
- Scaling up recipes



Making financial decisions

- Setting up a monthly budget
- Interest rates



Reading the news

- Understanding graphs
- Understanding facts and figures, including percentages



Be positive about maths

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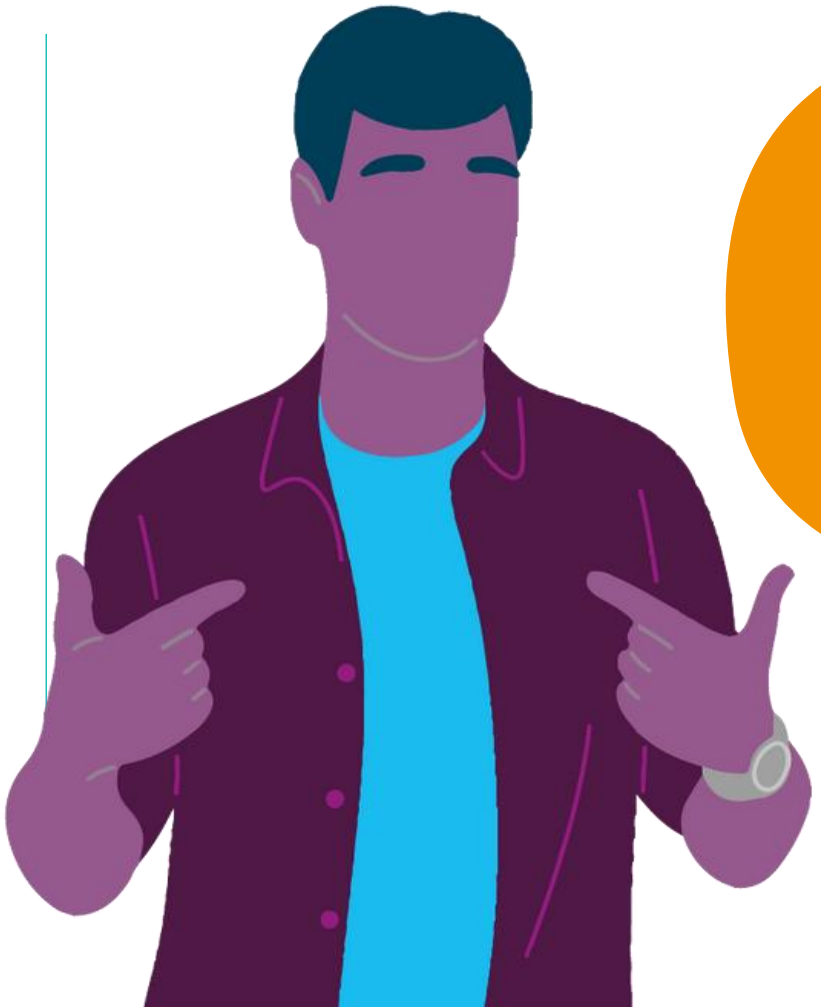
Be positive about maths

Here are some things people sometimes say to children about maths.

- Have you heard these things being said?
- What could be said instead to encourage positive attitudes in children?



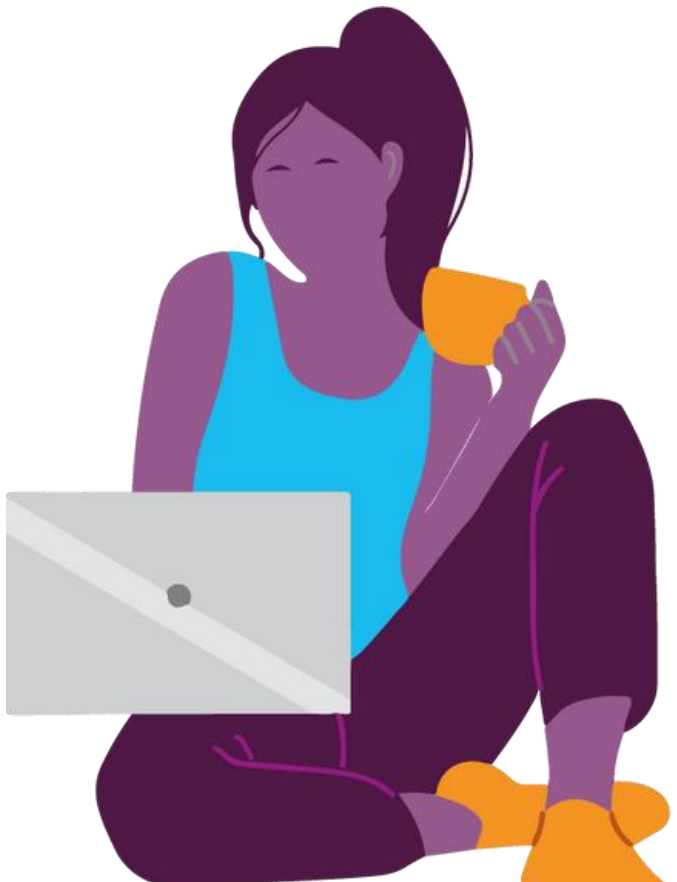
Be positive about maths



"I was never any good at maths at school and it did me no harm."

Be positive about maths

"You won't need to worry about maths once you've finished school."



Be positive about maths



"It's ok. You can't be good at everything. You're better at literacy. Your brother is more of a maths-y person."

Be positive about maths

"Well done for getting that right. You're so clever."





Praise effort, rather than talent

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Praise effort, rather than talent

Praising talent:

Well done. You're so clever.

You're naturally really good at this.

It's amazing that maths is so easy for you.

Praising effort:

Well done for working so hard at that.

You've learned so much, well done.

It's great that you kept going with that even when it was tricky.

Growth Mindset

Fixed Mindset

Talent is innate

Some people just can't do certain things

There is no point in trying to improve if you aren't born with the ability

Growth Mindset

Ability is not fixed

You can learn and improve at anything is you put enough time and effort into it

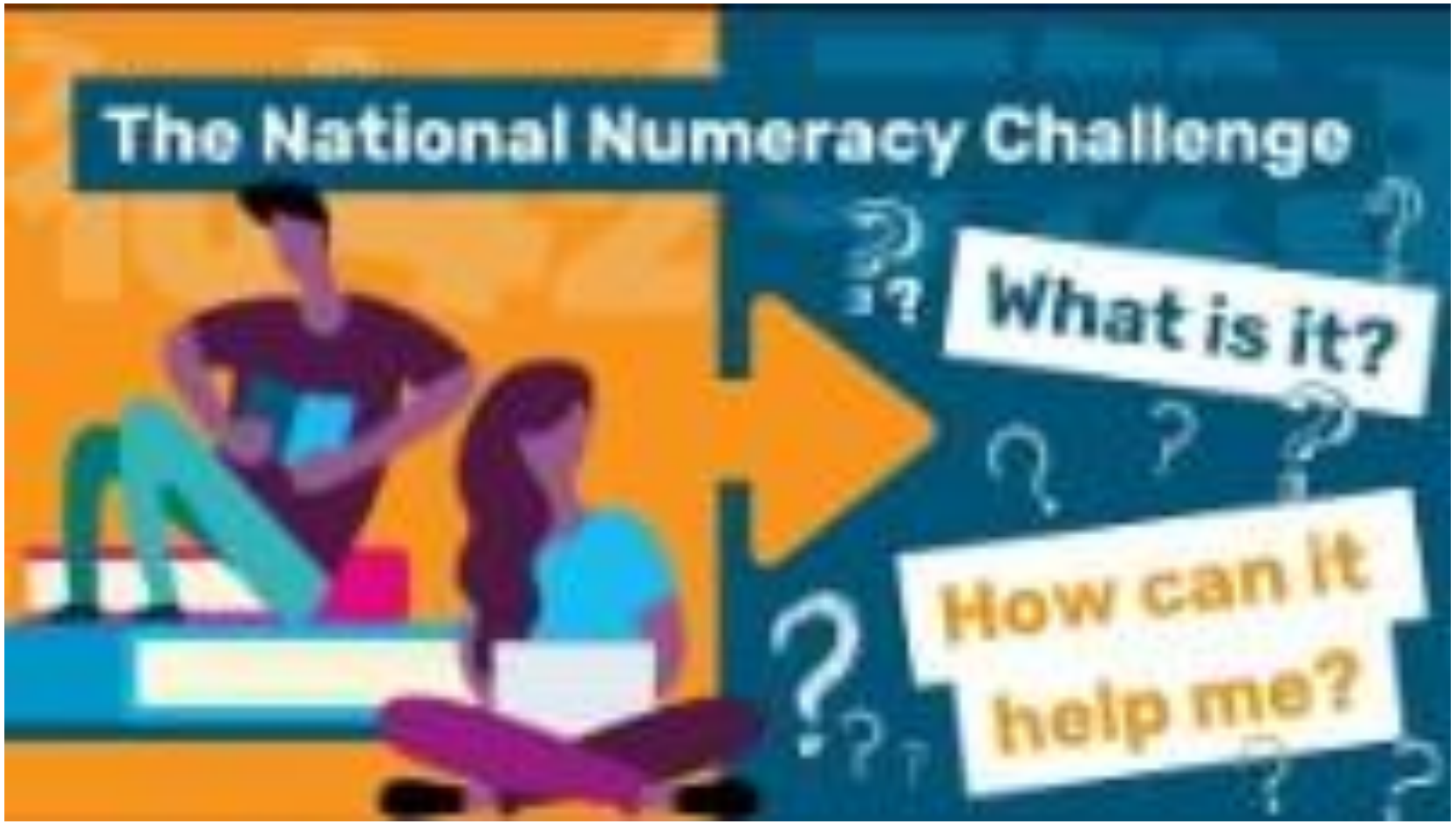
If you put your mind to it, you will be able to improve: ability isn't something you're born with



Boost your own confidence

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Boost your own confidence



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www.nationalnumeracy.org.uk/challenge/sfpaq