

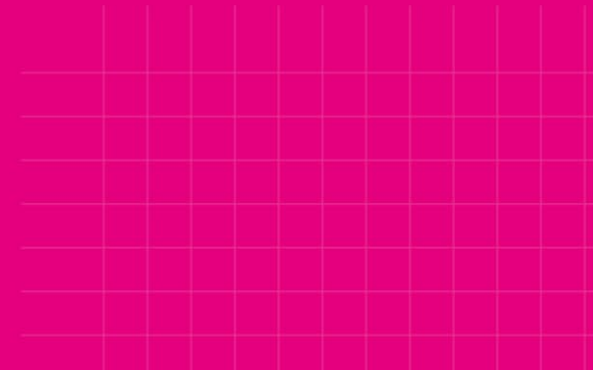


NATIONAL NUMERACY DAY

17 MAY 2023



A GUIDE FOR EARLY YEARS AND PRIMARY SCHOOLS



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HOW TO USE THIS GUIDE

Look for the stars!

This deck tells you everything you need to know to get involved in National Numeracy Day 2023.

Look for the  which highlights actions to take.

 [CLICK HERE](#)
for your planning assets

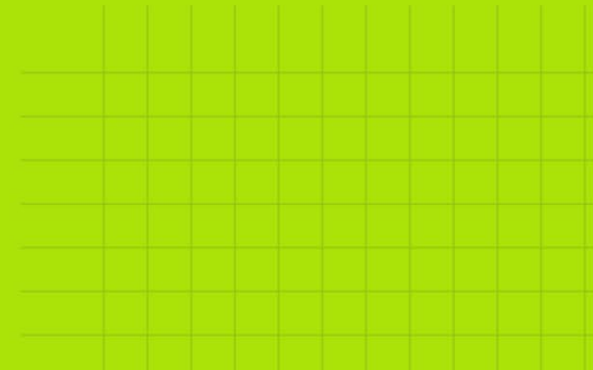




CAMPAIGN OVERVIEW



National Numeracy Day
for Early Years and Primary Schools



ACTIVITIES FOR EARLY YEARS AND PRIMARY SCHOOLS

Building brighter futures through confidence with numbers

National Numeracy Day offers heaps of exciting activities for children and adults alike, with celebrity ambassadors and education partners on board to boost number confidence and positivity across the nation.

Our guide and toolkit for early years and primary schools contains all the resources, ideas and inspiration you need to run a fantastic National Numeracy Day in your setting.



National Numeracy Day Live: Join Bobby Seagull, Katya Jones, CBeebies Numberblocks and West Ham United Foundation on 17 May for 30 minutes of live-streamed number fun.

Celebrity-led confidence resources: An array of fantastic, free and fun activities and worksheets to help all age groups feel good about maths, including:

- Dancing with Katya Jones and CBeebies Numberblocks
- Rapping with Harry Baker
- Baking with Peter Sawkins
- Number confidence tips from Rachel Riley
- Money confidence activities from Mr MoneyJar
- Dyscalculia tips from Iona Bain
- Bot Bingo – an interactive game from Numbots



Number Heroes Competition: Children can win in one of six numeracy prize bundles worth £1,000 for your nursery, school or youth group (for 3 to 13 years) by showing us all the ways they'd use numbers and maths in their dream job or hobby.

Resources for adults: To help staff, parents and carers to support children in your setting and at home.

EASY PLANNER TICK LIST



Things to do – classroom planning



Plan your day for Wednesday 17 May



Download and print off your free activities and resource sheets



Download your printable Number Heroes Competition entry sheets



Bookmark our celebrity activity videos for easy watching on the day



Bookmark the [National Numeracy Day Live](#) webpage, ready to join at 9:30am on 17 May



Look at the 'make a day of it' page for fun ideas and ways to get involved ([page 6](#))



Things to do – communications



Tell parents/carers what you've got planned with our letter template ([page 17](#))



Email staff using example email template ([page 18](#))



Promote your involvement of the campaign on social media using #NationalNumeracyDay ([page 19](#))



Share the National Numeracy Day webpage for adults with parents and staff



Plan Big Number Natter sessions for staff and parents



[CLICK HERE](#)
for assets to help you plan



MAKE A DAY OF IT



Some fun activities and ideas to help you get the most from National Numeracy Day...

Take part in National Numeracy Day Live on 17 May: Join our live-streamed Big Number Fun Quiz at 9:30am, with Bobby Seagull, Katya Jones, Numberblocks and West Ham United Foundation. (See page 9)

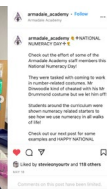
Get creative: Enter the Number Heroes Competition and tell us about your dream jobs and hobbies and all the different ways they use numbers and maths. With categories for early years and primary school aged children. (See page 10)

Bake, dance and rap your way to number confidence: Celebrity videos and activity sheets for children. (See page 8)

Transform into a Number Hero: Dress up as a well-known mathematician or inventor, become your favourite shape or maths tool with a hand-crafted costume, or wear your lucky number on an item of clothing... however you chose to interpret it, an outfit can be a great way to start a fun conversation about numbers.

Celebrate your involvement in the campaign proudly: Decorate your classroom or space with our printable poster and digital whiteboard display, downloadable from your toolkit, and share your photos, videos and number stories on social media using #NationalNumeracyDay.

Flapjack Five



Tweet

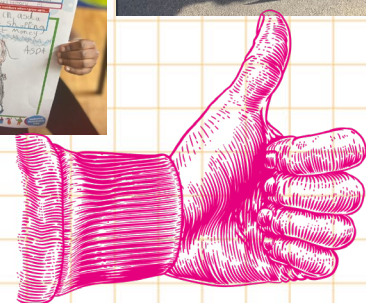
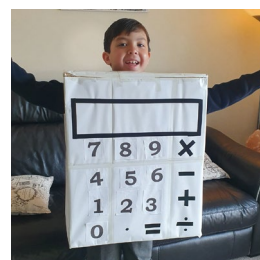
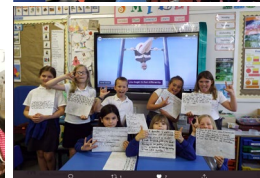


Year 4 enjoying their numeracy dance class 🕺 like dancing, maths can also take time to learn and improve. Keep going and believe in yourselves! #NationalNumeracyDay



6:45 PM - May 19, 2022 · Twitter for Android

1 Like



Founding Supporter:



CAMPAIGN GUIDE

Early Years and Primary School activity in detail



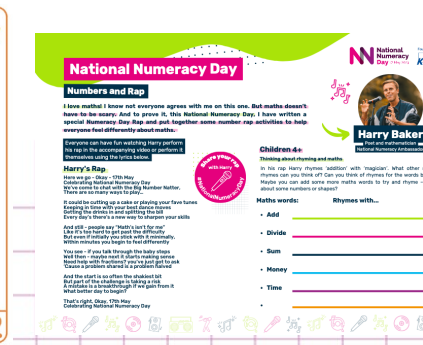
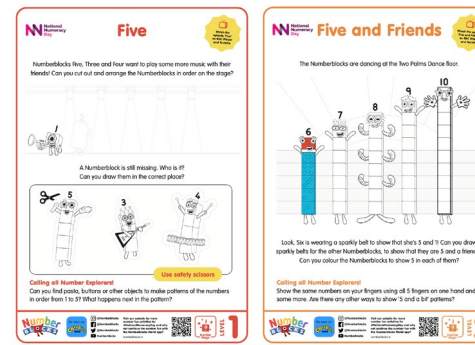
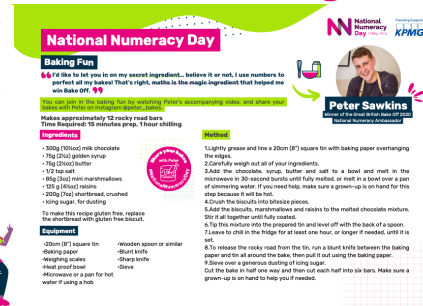
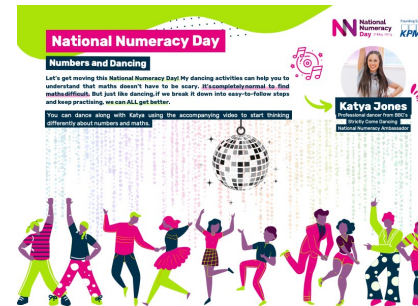
CELEBRITY RESOURCES

National Numeracy's celebrity ambassadors have created a fantastic range of activities for early years and primary settings, with videos and accompanying worksheets to boost number confidence and skills.



Download the worksheets and watch the videos with your children – available on your toolkit page!

- Get dancing with Katya Jones and CBeebies Numberblocks (for 3-6 years)
- Dance-along with Katya Jones (7+ years)
- Make maths fun by rapping with Harry Baker
- Bake tasty treats with Peter Sawkins
- Check out Rachel Riley's number confidence tips
- Build money management skills and confidence with Mr MoneyJar
- Find out more about supporting children with dyscalculia with tips from Iona Bain



CLICK HERE
for videos and downloadable activity sheets



NATIONAL NUMERACY DAY LIVE

★ **Join us at 9:30am on 17 May:** Kick-start your National Numeracy Day with an interactive, celebrity-led livestream. Katya Jones will lead the way with an energetic dance warm-up, followed by Bobby Seagull's Big Number Fun Quiz. Supported by CBeebies' Numberblocks and West Ham United Foundation.

Don't forget to download your quiz sheet so that you can join in wherever you are!

★ **Share:** We'd love to your photos and videos of your classes or groups joining in the livestream event. Use #NationalNumeracyDay on social media to share them with us.



FOUNDATION



NUMBER HEROES COMPETITION

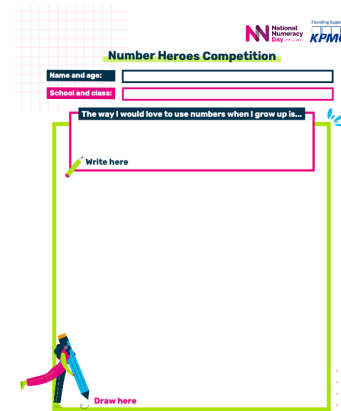
★ National Numeracy ambassador Bobby Seagull invites children aged 3 to 13 to become Number Heroes with our annual competition.

Children across the UK can enter the competition by creating a picture of themselves doing their dream job or hobby and telling us all the different ways they'd use numbers and maths.

Prizes:

- A winner in each category will win a **£50 gift voucher** and certificate for themselves, as well as a number confidence boosting **prize bundle worth at least £1,000** for their chosen nursery, school or community group.
- A runner up in each category win a **£20 gift voucher** for themselves

★ You'll need to enter online but we'd love to see photos of your entries on social media using #NationalNumeracyDay.



Number Heroes Competition

Name and age:

School and class:

The way I would love to use numbers when I grow up is...

Write here

Draw here

Create a picture of you doing your dream job or hobby and tell us all the different ways you would use numbers, then ask a grown-up to upload your picture through our online form. Let your imagination run wild and win a fantastic prize for yourself and a prize bundle for your nursery, school or youth group!

For online entry and full terms and conditions visit: www.nationalnumeracy.org.uk/number-heroes-competition



★ **CLICK HERE**
to download your entry sheet and find
out how to enter



NUMBERBLOCKS ACTIVITIES



Dance activity video

Get dancing with CBeebies' Numberblocks and Strictly Come Dancing star Katya Jones, who've teamed up to engage little learners with a special confidence building dance activity.

Share your dance videos with us on social media using #NationalNumeracyDay – we can't wait to see your brilliant dance moves!



Activity sheets

Numberblocks have created a set of fun activity sheets for young children. These can be printed out and used in your setting or sent home to engage families.



[CLICK HERE](#)
[for your activity sheets and dance video](#)



NUMBOTS' BOT BINGO

Our friends at [Numbots](https://numbots.com) have created a brand-new interactive number game for National Numeracy Day!

Bot Bingo is a downloadable game that can be used in the classroom by children aged 5+.

It will be available in your toolkit soon.



Models and representations to support the teaching of number bonds

Ten Frames
Makes counting values simpler. We can use them to make and split numbers in relation to 5 and 10. They help form the basis for understanding place value in the future.



Part Part Whole Model
Within the part whole model, you can use real objects, concrete objects, pictures or numbers. The two parts combine to make the whole and can support with addition and subtraction.



Dienes/Base 10
Can be used practically or drawn to support addition and subtraction.



Bar Model
Remove a number for problem solving opportunities across all operations (+ - x ÷)



Number Line
Can be used to count forwards and backwards or to identify number bonds and patterns.




Bead Strings
Usually consists of 10, 20 or 100 beads on a string, grouped by colour. They allow children to move the beads whilst counting and visualising groups of ten.





NUMBOTS Rusty at maths? We're here to help. numbots.com

 [CLICK HERE
to download Bot Bingo](https://numbots.com)



RESOURCES FOR ADULTS: STAFF, PARENTS AND CARERS

★ We support adults to improve their numeracy as well as children, and this year, there are lots of activities and resources for staff and adults in your community.

Ways for adults to get involved:

1. **The Big Number Natter:** The UK's only nationwide conversation about numbers is back and love it loathe it, everyone's got something to say about maths! Join the conversation with internal sessions for staff and parents. Resources to support this activity are [available in our toolkit for adults](#).
2. **National Numeracy Day hub:** Support your staff, parents and carers to get involved in National Numeracy Day for themselves by sharing this link with them > https://www.nationalnumeracy.org.uk/numeracyday?utm_source=signupsupport
3. **National Numeracy Challenge:** Our free tried and tested tool helps boost number skills and confidence for anyone age 13+ - get started in just ten minutes. Share this link with staff, parents and carers > https://www.nationalnumeracy.org.uk/challenge/?partner_code=champs&utm_source=signups



Quick Number Natter Talking Points

Use the Quick Number Natter talking points below to spark short, informal conversations in your organisation. Add the Big Number Natter as an agenda item to your meetings and spend a few minutes on the talking points OR ask everyone to start a quick number natter using these talking points during a coffee break, at the water cooler...any time!

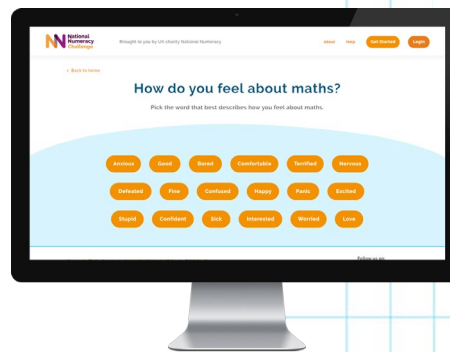
Love it? Loathe it?	Give me one word	How many of us?
Talking Point 1 What one word that describes how you feel about maths, positive or negative? Why?	Talking Point 2 Love it or loathe it, everyone has something to say about maths. What's your number story?	Talking Point 3 Around half of UK adults have the numeracy levels expected of a primary school child. Does this surprise you?
Everyday maths Can you name some of the ways you use maths in everyday life?	Hidden in plain sight! Do you use maths at work? It might not be obvious! Can you think of any examples?	The 10 minute Challenge We all learn differently. Try the National Numeracy Challenge to check your confidence and skill. It just takes 10 mins! nationalnumeracy.org.uk/challenge
Talking Point 4	Talking Point 5	Talking Point 6

#NationalNumeracyDay
Get more free resources: nationalnumeracy.org.uk/numeracyday

National Numeracy Day Founding Sponsors **KPMG**







- 7. Share your Big Number Natter stories, video clips or images**
- **Inside your organisation:** Share your Big Number Natters via the organisation's intranet, newsletter, Yammer or other networks - use video clips, written stories, photos, created in teams or individually.
 - **Outside your organisation:** Join the wider conversation - share videos on your social media channels using #BigNumberNatter
- 8. List of your Big Number Natter Resources, available in your toolkit**
1. This how-to guide
 2. Join the conversation: Your Number Natter session slides - for sessions 15-30 mins
 3. Quick Number Natter talking points - for informal conversations less than 15 mins
 4. Big Number Natter poster to promote your sessions
 5. Find out how to talk about numbers - our tips for talking about maths, written by Beth Barnes, Senior Training Officer at National Numeracy
 6. Ideas for Number Nattering on social media - as part of your session follow up comm.



THE BIG NUMBER NATTER FOR STAFF, PARENTS AND CARERS

Support your own staff and other adults in your community:

-  1. **Hold a Big Number Natter session with groups of colleagues or parents/carers:** Your toolkit includes resources to make this easy and straightforward for you, including guidance on how to plan a session, a poster to promote your session, conversation-starter suggestions for small informal sessions, and a slide deck for longer, more formal sessions.
-  2. **Encourage staff to join in:** Ask colleagues and leaders to share their own Big Number Natter videos, images and stories about their personal experience of numbers, good or bad. Share these with your school community and on social media using #BigNumberNatter. They can tag your organisation using your social media handles so it can be reshared on your official channels.
-  3. **Encourage parents to join in:** Ask parents/carers to share their Big Number Natter videos, stories and images with you using #BigNumberNatter. They can tag your organisation using your social media handles so it can be reshared on your official channels.
-  4. **The National Numeracy Challenge:** A great next step after a Big Number Natter – ask colleagues and parents/carers to try the Challenge. *(See page 15)*

Get your teams nattering about numbers
with our Big Number Natter assets



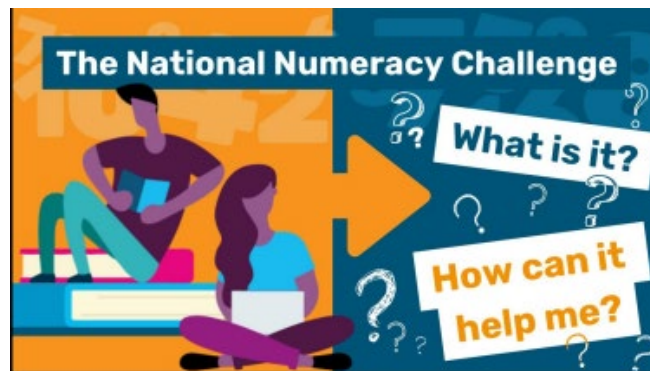
NATIONAL NUMERACY CHALLENGE

The [National Numeracy Challenge](https://www.nationalnumeracy.org.uk/challenge/?partner_code=champs&utm_source=signups) is a free and easy-to-use website for improving your number skills and confidence.

★ Please encourage your staff and parents/carers to have a go by sharing this link >

https://www.nationalnumeracy.org.uk/challenge/?partner_code=champs&utm_source=signups

It's the perfect next step after a Big Number Natter, or to support any other confidence building activity.



[Watch a short video about the National Numeracy Challenge](#)

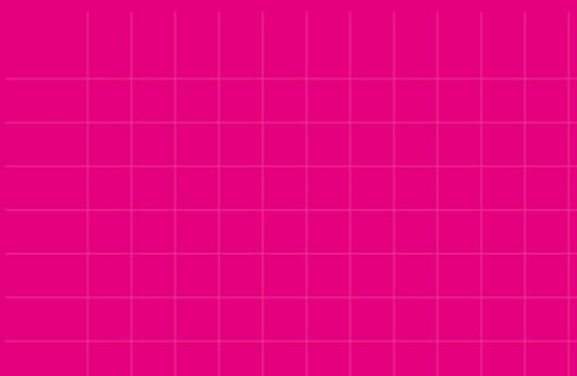




EXAMPLE COMMUNICATIONS




Everything you need to communicate about the
campaign to staff and parents



EXAMPLE LETTER/EMAIL FOR PARENTS/CARERS

Helping adults at home engage

 [CLICK HERE](#)
to download this as an
editable word document and amend so it's suitable
for the activity you have planned



Dear parent/carer,

Wednesday 17 May is National Numeracy Day – the UK's only day dedicated to everyday maths.

It's a day that celebrates the importance of numbers for children and adults alike, building brighter futures through confidence with numbers and inspiring everyone to improve their numeracy skills.

The charity National Numeracy has teamed up with celebrities and experts to create fun and engaging activities that will get children feeling good about numbers so together, we can dance, bake and rap our way to number confidence!

We have lots of free, fun activities planned for your children to take part in at school, as well as resources they can use at home.

National Numeracy Day Live on 17 May: We'll be starting the day in style by taking part in a nationwide livestreamed event from 9:30am. Strictly Come Dancing's Katya Jones will lead a fun dance warm up, followed by an interactive Big Number Fun Quiz hosted by Bobby Seagull. There'll be special guests from CBeebies Numberblocks and West Ham United Foundation too.

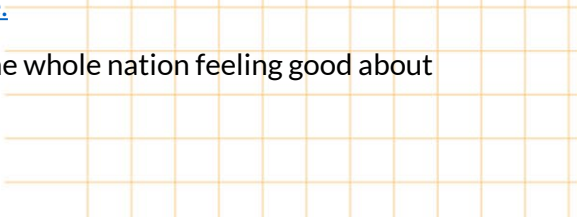
Number Heroes Competition: We'll be sparking imagination and conversations about using numbers and maths in our future dream jobs or hobbies by creating our entries for the Number Heroes Competition. The lucky winners will receive a £50 voucher for themselves, as well as a £1,000 prize bundle for their **nursery/school/youth group. [delete as appropriate].**

We're encouraging children and staff to come in dressed up in the theme of Number Heroes. From well-known mathematicians or inventors, to transforming into our favourite shapes or maths tools, or simply wearing an item of clothing with numbers on it – however you choose to interpret the theme, it'll be a great way to celebrate all things numbers and maths.

One of the best ways to support children to feel positive about numbers is to feel confident yourself. National Numeracy has lots of free resources to help adults, so you can support your children with numbers and maths, and boost your own numeracy skills too!

[You can access a range of free resources for adults on the National Numeracy Day website.](#)

Together, we can get the whole nation feeling good about numbers!



EXAMPLE EMAIL FOR STAFF

Helping supporting your staff



Dear colleagues,

National Numeracy Day takes place on Wednesday 17 May and is the UK's only day dedicated to everyday maths. Organised by the charity National Numeracy, the aim is to help children and adults feel positive about numbers.

National Numeracy Day celebrates the importance of numbers for children and adults, building brighter futures through confidence with numbers and inspiring everyone to improve their numeracy skills.

National Numeracy has teamed up with celebrities and experts to create free, fun and engaging activities for [nurseries/schools/youth groups](#) to get involved in. [\[delete as appropriate\]](#).

Number Heroes Competition: A drawing competition to spark imagination and conversations about using numbers and maths in future jobs or hobbies. Children can win a prize bundle of numeracy goodies worth £1,000 for our [nursery/school/youth group](#). [\[delete as appropriate\]](#).

National Numeracy Day Live on 17 May: We'll be taking part in a nationwide livestreamed Number Fun Quiz from 9:30am, featuring celebrities and special guests from Numberblocks and West Ham United Foundation.

We will be encouraging staff and children to dress up in the theme of Number Heroes. Come as a well-known mathematician or inventor, transform into your favourite maths tool or shape, or simply wear an item of clothing with numbers on it – however you choose to interpret, it we hope you will enjoy joining the children in having fun with the theme.

All our resources, videos and activity sheets are available to download for free in our [National Numeracy Day toolkit](#).

Mark Wednesday 17 May in your diary and help us share some number positivity!



[CLICK HERE](#)
to download this as an
editable word document and amend so it's
suitable for the activity you have planned



KEY DATES/SOCIAL MEDIA TAGS

★ APRIL

Your toolkit will be updated throughout the month with all the resources and guides you need to get involved.

- Plan your activity and communications for staff and parents
- Let staff and parents know what you are planning
- Promote your involvement on social media and encourage other schools to get involved

★ MAY

17 May – National Numeracy Day!

Run your National Numeracy Day activities on 17 May. We'd love to see your videos, images and messages on social media using #NationalNumeracyDay.

National Numeracy Day runs throughout the month of May, and you'll be able to access your toolkit and all our resources at any time, so don't worry if you can't do things on the day itself.

HASHTAG

Please include it in all your posts:
#NationalNumeracyDay

SOCIAL ACCOUNTS

Tag us in your posts, so we can share your messages:

- **Twitter:** @Nat_Numeracy
- **Facebook:** @nationalnumeracy
- **Instagram:** @national_numeracy
- **LinkedIn:** National Numeracy
- **TikTok:** @nationalnumeracy



NATIONAL NUMERACY DAY CONTEXT AND INFORMATION



What is National Numeracy Day
and why is it important?

WHAT IS NATIONAL NUMERACY DAY?



National Numeracy Day builds brighter futures through confidence with numbers.

- It is run by independent charity National Numeracy and the campaign's founding supporter KPMG.
- It is the UK's only day dedicated to everyday maths.
- It celebrates the importance of numbers in everyday life and inspires children and adults to improve their numeracy.
- Because improving numeracy changes lives: at home, work and school.
- National Numeracy Day has inspired people to take 650,000+ actions to improve their numeracy since 2018.
- Everything is free! The campaign's generous supporters ensure all our resources are free for everyone to use.

[Watch the highlights from 2022](#)



WHY IS NATIONAL NUMERACY DAY IMPORTANT?

- The UK's numeracy levels are significantly below the average for developed countries.
- **49% of the UK's working-age population have the expected numeracy levels of a primary school child.**
- **Millions of children leave school lacking number confidence.** 30% of school-leavers (18-24s) feel anxious about using maths and numbers. They are the most maths-anxious adult group in the UK.
- Poor numeracy costs the UK economy £25 billion a year.
- Struggling with numbers can make people more vulnerable to debt, unemployment, poor health and fraud – all of which have been exacerbated by the Covid-19 crisis and now, the cost-of-living crisis.

THE CAMPAIGN DRIVES

Awareness

- The benefits of understanding and working with numbers in real life – at home, work and school.
- The benefits of good numeracy for individuals, communities, society and the UK economy.

Engagement

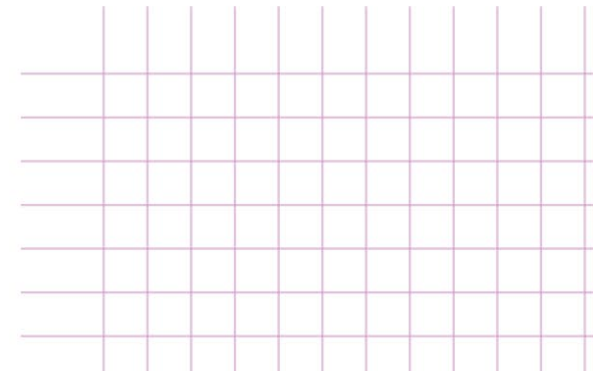
- Through helpful, fun and free activities, events and resources.

Action

- Children and adults to improve their number confidence and skills by using free resources on [our website](#) and trying the [National Numeracy Challenge](#).

ABOUT NATIONAL NUMERACY

- National Numeracy is the UK's only charity dedicated to helping people feel confident with numbers and using everyday maths.
- The charity's mission is to empower children and adults in the UK to get on with numbers so they can fulfil their potential at work, home and school.
- National Numeracy's work improves how people understand and work with numbers in everyday life, sparking better opportunities and brighter futures.
- National Numeracy is a registered company (company no: 7886294) and charity (charity no: 1145669). nationalnumeracy.org.uk



A detailed black and white line drawing of a hand pointing its index finger towards the center.

CONTACT US

A detailed black and white line drawing of a hand pointing its index finger towards the center.

comms@nationalnumeracy.org.uk

A decorative grid pattern of thin, light blue lines in the bottom right corner of the slide.