

18 May 2022

**National
Numeracy
Day**

National Numeracy Day Champions

Guide for Schools

2022

**Early Years &
Primary**



Founding Supporter:

NN National
Numeracy
Getting on with numbers

KPMG



Contents and how to use this deck

Contents

Overview for Early Years & Primary

- 4. Overview of activities for Early Years & Primary Champions
- 5. Easy Planner tick list
- 6. Fun ideas for making a day of it

Campaign Guide

- 8. 5th Birthday Party guide
- 9. Celebrity videos and worksheets
- 10. Numberblocks activities
- 11. Rocking and Rolling Numbers live event
- 12. Number Heroes competition
- 13. Celebrity Lesson Starter video
- 14. Twitter Takeover ideas
- 15. Resources for staff and parents/carers

Example Communications

- 17. Example letter to parents/carers
- 18. Example email to staff
- 19. Example copy to promote your support
- 20. Key dates and social media tags

National Numeracy Day context and information

- 22. The issue and the campaign
- 23. What the campaign drives
- 24. Help us reach the 49%

Contacts

- 26. Get in touch

Look for the stars!

This deck tells you everything you need to know to support National Numeracy Day 2022.

Look for the ★ which highlights actions to take.



Get assets to help you support the campaign:
nationalnumeracy.org.uk/champions-toolkit-early-years-primary

Overview for Early Years & Primary

What activities are there for Early Years & Primary settings?

National Numeracy Day

Overview of activities and support for Early Years & Primary Champions

Helping children feel positive about numbers

National Numeracy Day 2022 has a fantastic programme of exciting activities with our celebrity ambassadors and education partners to help increase positivity and number confidence for children across the nation.



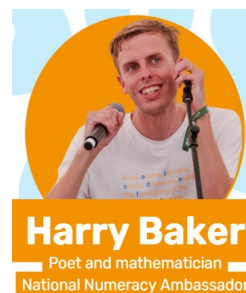
In 2022 National Numeracy Day will be 5 years old!

This pack and your online toolkit gives Early Years & Primary Champions all the resources, activities, ideas and inspiration you need to run fantastic birthday-party-themed National Numeracy Day activities for your children, families and staff.



Children's activities in this pack:

- **5th Birthday party guide**
- **Celebrity-led confidence resources** to help all age groups, from 0-18, feel good about maths.
- **Flapjack Five and other activities with Numberblocks**
- **Rocking and Rolling Numbers Live 9:30 AM:** National Numeracy and Times Tables Rock Stars are inviting schools and families across the country to take part in the UK's biggest ever live number roll (a motivating song with dance moves).
- **Number Heroes competition** to win one of five bundles of numeracy prizes worth at least £1000 for your nursery, school, youth group or community centre (for pre-school to 13).
- **Lesson starter video** featuring celebrity-led activities.
- **Resources** for adults, staff and parents.





National Numeracy Day

Easy planner to help you organise National Numeracy Day



Things to do – classroom planning

- ★ Schedule activities for 18 May
- ★ Print off free birthday party decorations and sheets
- ★ Download and print your Number Heroes competition entry forms
- ★ Download and print your Numberblocks and celebrity worksheets
- ★ Bookmark the Celebrity activity videos or Lesson Starter video
- ★ Bookmark the Rocking & Rolling Numbers link for the number roll live event at 9:30
- ★ Get your children practising the number roll using the instructions on your toolkit page
- ★ Look at the 'Making a Day of it' page to get some fun ideas (page 6)



Things to do – communications

- ★ Email Staff using example email (page 18)
- ★ Letter to parents (page 17)
- ★ Promote at school and on social media (page 19)
- ★ Send out the link to the National Numeracy Day adults' online hub
- ★ Show us what you have been up to! Use #NationalNumeracyDay on 18 May

Get assets to help you are here:

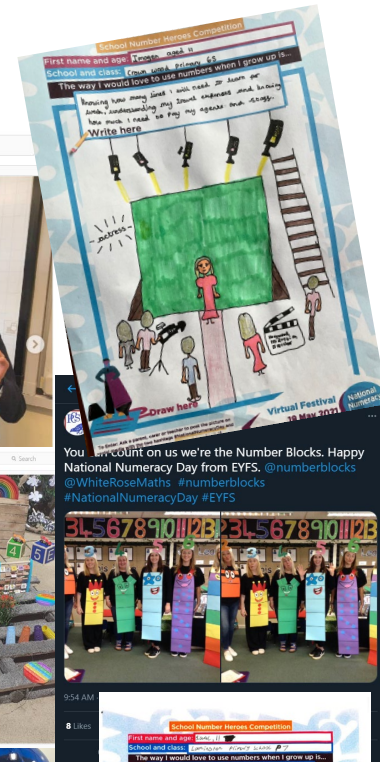
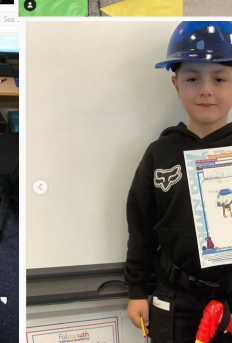
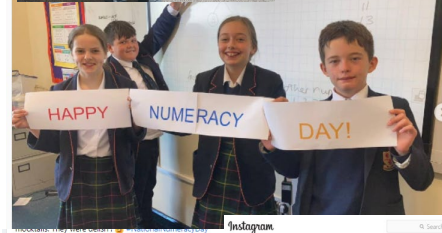
nationalnumeracy.org.uk/champions-toolkit-early-years-primary

National Numeracy Day

Making a day of it

Some fun ideas to help you really make an event out of National Numeracy Day

- ★ **Bring out birthday party theme** with our free resources and decorations including bunting, cake toppers and party hats available on nationalnumeracy.org.uk/champions-toolkit-early-years-primary
- ★ **Join in the Rock and Rolling Numbers** – with Times Tables Rock Stars event at 9:30am on 18 May – we might even set a world record! – see page 11
- ★ **Get children Baking, Rapping and Dancing using the celebrity lesson starter video** – see page 13
- ★ **Get creative – join in the Number Heroes picture competition** – we have an Early Years & Primary category for the first time – see page 12
- ★ **Dress up as Number Heroes.** Encourage children to dress up. T-shirts with numbers on, dressed as their favourite numbers, mathematicians, inventions, calculators, rulers, computers, shapes. However they choose to interpret it, we hope children will enjoy having fun with the theme.
- ★ **Join the Big Number Natter** – For older children, give them a voice and let them do a Twitter takeover of your school social media accounts – see page 14



Campaign guide

Full information on what is happening for National Numeracy Day 2022

National Numeracy Day

5th Birthday Party Guide

Free party-themed decorations to print and go!

In 2022 National Numeracy Day will be 5 years old!

Help us celebrate by putting on a National Numeracy Day 5th birthday party. We've created a range of birthday-themed decorations to help you make the most of the day.

We have provided versions for children to colour in, design their own, or in full colour so you can just print and go!

Download your birthday party assets:

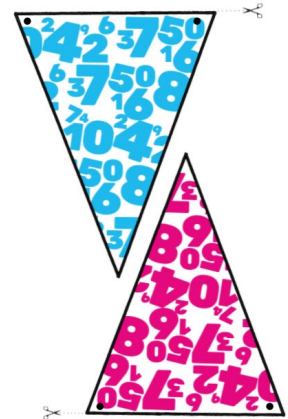
nationalnumeracy.org.uk/champions-toolkit-early-years-primary



National Numeracy Day Crown - Print and Go!



National Numeracy Day Bunting - Print and Go!



National Numeracy Day

Celebrity Videos and Worksheets

Fun with our famous faces

National Numeracy's celebrity Ambassadors have created a fantastic range of activities for Early Years & Primary settings – with videos and accompanying worksheets.



Download the worksheets and watch the videos with your children.

Activities will all be in your Champions Toolkit and include:

- Flapjack baking with Numberblocks and Peter Sawkins
- Dancing activity – with Katya Jones
- Rap activity – with Harry Baker
- Money activity – with Mr MoneyJar
- Birthday Cake Baking activity – with Peter Sawkins

Download before the day:

nationalnumeracy.org.uk/champions-toolkit-early-years-primary

National Numeracy Day
Numbers and Rap

Harry Baker
National Numeracy Ambassador

“I love maths! I know not everyone agrees with me on this one. But maths doesn't have to be scary. And to prove it, this National Numeracy Day, I have written a special Numeracy Day Rap and put together some number rap activities to help everyone feel differently about maths.”

Everyone can have fun watching Harry perform his rap in the accompanying video or perform it themselves using the lyrics below.

Children 4:
Learning about numbers and maths in the rap Harry makes 'addition' with 'magician'. What other maths rhymes can you think of? Can you think of rhymes for the words below? Maybe you can add some more maths words to try and rhyme - what about some numbers or shapes?

Harry's Rap
I'm a - mathematician going mad for addition
Then somebody, subtract! It could be pattern recognit
Wishing you were flipping w
Maybe some numbers leave
Maybe some sums leave as
Whatever your level is, you
I guess you never knew with
Sometimes it's hard, that is
We build from one, 10 we're
When we start slow and we
You'll be amazed at what we

Maths words:
Rhymes with...

National Numeracy Day
Baking Fun

Peter Sawkins
Ambassador of the Great British Bake Off 2020
National Numeracy Ambassador

“Let's have some fun in the kitchen this National Numeracy Day. My suggested baking activity will get everyone thinking differently about numbers and how we use them every day! You can join in the baking fun by watching Peter's accompanying video.”

Ingredients:
For the cake:
• 250g butter, softened
• 250g caster sugar
• 250g soft-raising flour (or sub for gluten-free soft-raising flour)
• 1½ teaspoons baking powder (gluten-free if required)

For the filling:
• 300ml double cream
• 50g icing sugar
• 500g lemon curd
• Sprinkles (used blue and purple sprinkles for the colour of National Numeracy)

Method:
Preheat the oven to 160°C fan/ 170°C gas 3.5. Grease and base two 2 x 9cm round cake tins.
Make the cake:
1. Cream the butter and sugar with an electric whisk until light and fluffy (3-5 mins).
2. Add in the flour, baking powder, lemon extract, zest, eggs and salt and mix until just combined.
Divide the mixture between the two tins, level off and bake for 25-30 mins until golden brown.
Leave to cool completely before using.

National Numeracy Day
Numbers and Dancing

Katya Jones
Theatrical dancer from BBC's Strictly Come Dancing
National Numeracy Ambassador

“Let's have some fun dancing this National Numeracy Day. My dancing activities will help everyone to see that maths doesn't have to be scary. It's completely normal. In fact, maths is difficult. But just like dancing, if we break it down into manageable steps and keep practising, we can ALL get better.”

Everyone can have fun dancing along with Katya and start thinking differently about maths by watching the accompanying video.

horizontally so that you have 4
ger until it holds its shape in
ing plate with a little cream. On
around a thin border of whipped
Fill the space within the border
nge and repeat the filling and
u top the cake with a final layer
of springs in the bottom half of
an edge for the cake.
remaining whipped cream and
vet the entire cake.
is around the bottom and top



Numberblocks Activities

In Numberblocks, numbers come to life!

Numberblocks and Peter Sawkins (National Numeracy Ambassador and Bake Off winner) have teamed up to engage little learners and their families with a special home baking activity, as well as releasing exciting animated content and fun learning resources celebrating the 5th birthday of National Numeracy Day.



★ **Flapjack Five bake!**
Created especially for younger years baking, Peter and Numberblocks have a simple flapjack bake for the children to try, with a video and recipe sheet

★ **Numberblocks resources in your Champions Toolkit**

- Numberblocks resources for little learners
- Numberblocks celebration video
- Birthday card activity

★ **Share:** Remember to share your bakes and activities with us on social using #NationalNumeracyDay



Download before the day :
nationalnumeracy.org.uk/champions-toolkit-early-years-primary



Rocking and Rolling Numbers with Times Tables Rock Stars

Be part of a record-breaking live event attempt!

National Numeracy and Times Tables Rock Stars are inviting children, nurseries and schools across the country to take part in the biggest number roll in history!

Number rolling is a catchy call-and-response chant with accompanying actions that help kids feel good about numbers.

On May 18, via the magic of live streaming, you'll be able to join in with the world record attempt. The event will be introduced by National Numeracy celebrity ambassadors and then led by Times Tables Rock Stars energetic experts!

The event aims to increase positivity and number confidence for children across the nation, at home and at school as a fun way to celebrate National Numeracy Day's 5th birthday.



How to get involved in Rocking and Rolling Numbers –

- Instruction video and lyric sheet to help you practise are in your Champions Toolkit **now**
- Live stream link and information on how to join will be sent you by email nearer the time.



Share: Remember to share videos or images of your number roll with us on social using #NationalNumeracyDay



National Numeracy Day

Number Heroes competition to win a £1,000 bundle

Inspiring number positivity from an early age

We are inviting children across the country to take part in our [Number Heroes competition](https://www.nationalnumeracy.org.uk/number-heroes-competition), hosted by Bobby Seagull

★ We would like children to create a picture of how they will use numbers in their lives when they grow up. Maybe they would love to become a vet, teacher, engineer or footballer? Or dream of spending their days dancing, baking or saving the planet?

Prizes:

Number Heroes pack worth at least **£1,000** for their chosen nursery or school, containing all the games, books and resources needed to get everyone feeling like a number hero;

£50 gift voucher and certificate for the individual child who submits the winning entry;

Three runners-up in each category win **£20** gift voucher and certificate.

★ How to enter:

Follow the links on your toolkit page or go straight to www.nationalnumeracy.org.uk/number-heroes-competition

★ **Share** your entries on social – we'd love to see them!
Use #NationalNumeracyDay

National Numeracy Day
Number Heroes Competition
Bobby Seagull

Overview:
When you grow up, how will you use numbers? Will you be a vet, teacher, engineer or footballer? Or will you be dancing, baking or saving the planet? Create a picture of you doing your dream job. Let your imagination run wild and win a fantastic prize pack for your nursery, school or youth group.

Prizes:
There are 12 age categories. One winner in each category will win a prize pack worth at least £1,000 and a £50 gift voucher and certificate for the individual child who submits the winning entry. Three runners-up in each category will win a £20 gift voucher and certificate for the individual child who submits the winning entry.

Category	Prize Pack	Gift Voucher
Pre-school age (children 0-5 years)	£5, £1, £2	£5
Primary 1-2 (children 5-7 years)	£10, £15, £20	£10
Primary 3-4 (children 7-9 years)	£15, £20, £25	£15
Primary 5-6 (children 9-11 years)	£20, £25, £30	£20

How to enter:
1. Use this sheet or grab a piece of paper.
2. Create a picture of yourself doing your dream job. Use a computer, or use any other way.
3. Tell us how you will use numbers in your job. Don't forget to add your first name, last name (e.g. Bobby S. O'Connell).
4. Ask a grown-up (e.g. parent, carer, teacher) to help you fill in the form. Entries must be sent through our online form. Entries must be sent by the deadline, which will be on the website. If you win we will contact the grown-up who submitted the entry. In the meantime, why not share your entry on social media? We'd love to see it!

Winning criteria:
Bobby Seagull will pick the winning entry based on the most imaginative picture, showing great entry.

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

Number Heroes Competition
First name and age: _____
School and class: _____
The way I would love to use numbers when I grow up is...
Write here
Draw here



National Numeracy Day

Celebrity Lesson Starter video

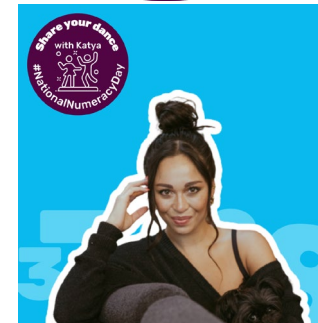
Start the day the National Numeracy way!

What better way to get National Numeracy Day off to a cracking start than to have a Lesson Starter with our celebrity Ambassadors?

★ Play the short video that will be in your Champions toolkit and get your children brimming with number positivity as well as moving and grooving! The activities correspond with the work sheets you can download and include:

- Dancing with Strictly's Katya Jones
- Rapping with poet Harry Baker
- Numbers and money with Mr MoneyJar
- Baking with Numberblocks and Bake Off's Peter Sawkins
- Number Heroes competition – with Bobby Seagull

Lesson Starter link will be sent to you – and available via the toolkit - in May
nationalnumeracy.org.uk/champions-toolkit-early-years-primary





Twitter Takeover – The Big Number Natter

The Big Number Natter is the first ever nationwide conversation about numbers.

★ Empower older children this National Numeracy Day. Help your pupils join the hundreds of other children taking over their school's twitter accounts as part of The Big Number Natter.

Celebrities, experts and people across the UK will be sharing their own number stories on social media. It's an opportunity to have a chat about numbers and change lives for the better...love it or loathe it, everyone has something to say about maths... including kids!

More ideas...

...and we welcome your own. Remember to use #BigNumberNatter

- **Video interview your teachers** – how do they really feel about maths?
- **Ask our ambassadors anything** – using their social media handles opposite.
- **Maths is...?**– How do you and your friends feel about maths in one word? Send us selfies and pictures of you and your friends, holding a piece of paper with your one word written on it. It's ok to be honest!
- **Challenge your grown ups to dance and rap** – Send us videos of your teachers getting involved in the National Numeracy Day activities.

Ask our ambassadors a question on Twitter, using their handles: 

- **Bobby Seagull:** @Bobby_Seagull
- **Katya Jones:** @Mrs_katjones
- **Harry Baker:** @harrybakerpoet
- **Timi Merriman-Johnson:** @mrmoneyjar

National Numeracy Day

Resources for adults: staff and parents/carers

Supporting adults

We support adults to improve their numeracy as well as children, and this year there is a vast array of activity for the adults in your community, as well as the children.



Ideas for staff and parents

1. **The Big Number Natter** New this year, the first ever nationwide conversation about numbers. See the website for more details in April.

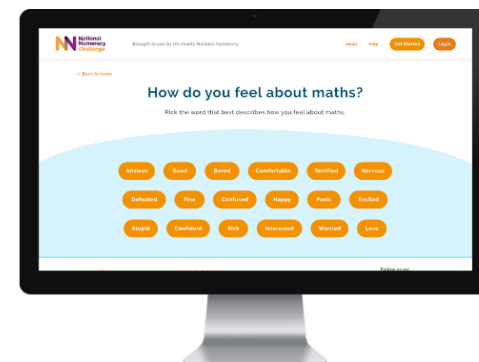
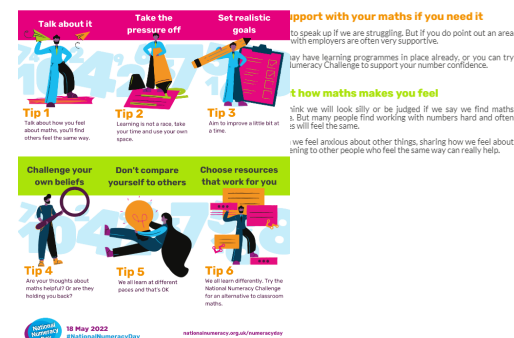
www.nationalnumeracy.org.uk/national-numeracy-day-big-number-natter

2. **Online hubs:** One for adults and one for children –everything your staff and communities need to get involved. Please send these links, as appropriate:

- Scotland: https://www.nationalnumeracy.org.uk/numeracyday?utm_source=scotchamps
- Rest of the UK: https://www.nationalnumeracy.org.uk/numeracyday?utm_source=champs

3. **The National Numeracy Challenge:** Our tried and tested, free confidence and skills building online tool. Please send these links, as appropriate:

- Scotland: <https://www.nationalnumeracy.org.uk/challenge/scottchamps>
- Rest of the UK: <https://www.nationalnumeracy.org.uk/challenge/champs>



Example Communications

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



Example letter to parents/carers

Helping adults at home engage



Dear parent/carer,

18 May is National Numeracy Day, the UK's only day dedicated to everyday maths, organised by the charity National Numeracy.

It's a day that celebrates the importance of numbers for children and adults and inspires everyone to improve their numeracy in order to open up opportunities and brighter futures – and this year is the campaign's 5th birthday!

We have lots of, fun activities planned for your children to take part in at school with the aim of helping them feel positive about numbers.

The children will be getting creative to take part in the Number Heroes competition to win one of five £1000 numeracy prize packs for the **nursery/school** as well as a £50 voucher for the winning child.

We'll be taking part in a record-breaking 'number roll' attempt – a catchy call-and-response chant with accompanying actions that help kids feel good about numbers, led by Times Tables Rock Stars.

And there will be lots of birthday themed number fun with celebrities dancing, baking with Numberblocks, rapping and lots more.

We encourage all children to come in dressed up as Number Heroes. They could come dressed in clothes with numbers on or dressed as their favorite numbers, favorite mathematician, calculators, rulers, computers, or shapes. However you choose to interpret the theme, we hope children will join us in celebrating numbers.

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 you support your children with numbers and to boost your numeracy too!

Please visit www.nationalnumeracy.org.uk/numeracyday to find out more. We hope you all have a happy National Numeracy Day on 18 May!

Download this as an editable word document:
nationalnumeracy.org.uk/champions-toolkit-early-years-primary



Example email to staff

Helping support your teachers



Dear colleagues,

18 May is National Numeracy Day, the UK's only day dedicated to everyday maths, organised by the charity National Numeracy. The aim is to help children feel positive about numbers.

National Numeracy Day celebrates the importance of numbers for children and adults and inspires everyone to improve their numeracy in order to open up opportunities and brighter futures – and this year is the Day's 5th birthday!

As a National Numeracy Day Champion we have access to a huge range of free, fun activities, resources and events.

Activities for Early Years & Primary settings include a picture competition to win the school a package of numeracy goodies worth £1,000; the chance to take part in a world record-breaking 'number roll' attempt, led by Times Tables Rock Stars; Baking with Numberblocks; celebrity-led activities and much more.

We will be encouraging all staff and children to dress up on the theme of Number Heroes. T-shirts with numbers on, dressed as your favorite numbers, mathematicians, inventions, calculators, rulers, computers, shapes. However you choose to interpret, it we hope you will enjoy joining the children in having fun with the theme.

Everything you need to know is in the Champions Guide and Champions Toolkit, available here nationalnumeracy.org.uk/champions-toolkit-early-years-primary These will help us plan activities with the minimum of time and fuss.

Mark the 18 May in your diaries for some number positivity!

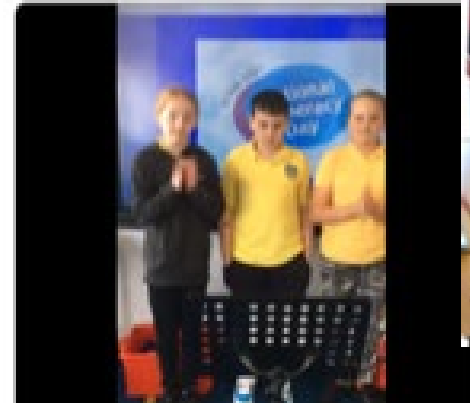
Download editable word documents here now:
nationalnumeracy.org.uk/champions-toolkit-early-years-primary

National Numeracy Day

Examples of copy to promote your support

★ Announcing your support: short (social)

- We are delighted to be a #NationalNumeracyDay Champion on 18 May to help the UK feel confident with numbers! Find out more www.nationalnumeracy.org.uk/numeracyday
- Our children are building confidence and skills in everyday maths for #NationalNumeracyDay. Take a look! *[insert image or video]*
- Let's get number confident on National Numeracy Day, 18 May! We are delighted to be a National Numeracy Day Champion, the UK's only annual day dedicated to everyday maths!



Use the assets supplied – email footer, intranet banner, social graphics etc. in your toolkit nationalnumeracy.org.uk/champions-toolkit-early-years-primary





Key dates and tag us on social media

April

19 April: Your delivery toolkit will be complete with resources and guides for getting involved in The Big Number Natter.

Throughout the month: Plan your internal activity and communications with staff and parents. Promote your involvement and look out for updates.

May

4 May: 2 weeks to go! Look out for our National Numeracy Day promotional video and communicate about your activities with parents and the community.

11 May: 1 week to go! Promote your support for the day using assets supplied and amplify National Numeracy's social activity.

18 May – National Numeracy Day: Get involved by posting about your support and the events in your organisation, we'd love to see your videos, images and messages on social media using #NationalNumeracyDay

Hashtag

We are using this hashtag; please ensure you include it in your posts:

- **#NationalNumeracyDay**

Accounts

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

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

National Numeracy Day Context and Information

What is National Numeracy Day and why is it important?

The Issue



of adults have the numeracy skills
expected of children at primary
school

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.

18 May 2022

- Independent charity National Numeracy's flagship campaign
- The only UK campaign for everyday maths
- We seek to reach and help children and adults
- Brings together organisations, institutions, businesses and individuals – to make change
- All about being positive about numbers
- Inspires everyone to improve their numeracy in order to open up opportunities and brighter futures.



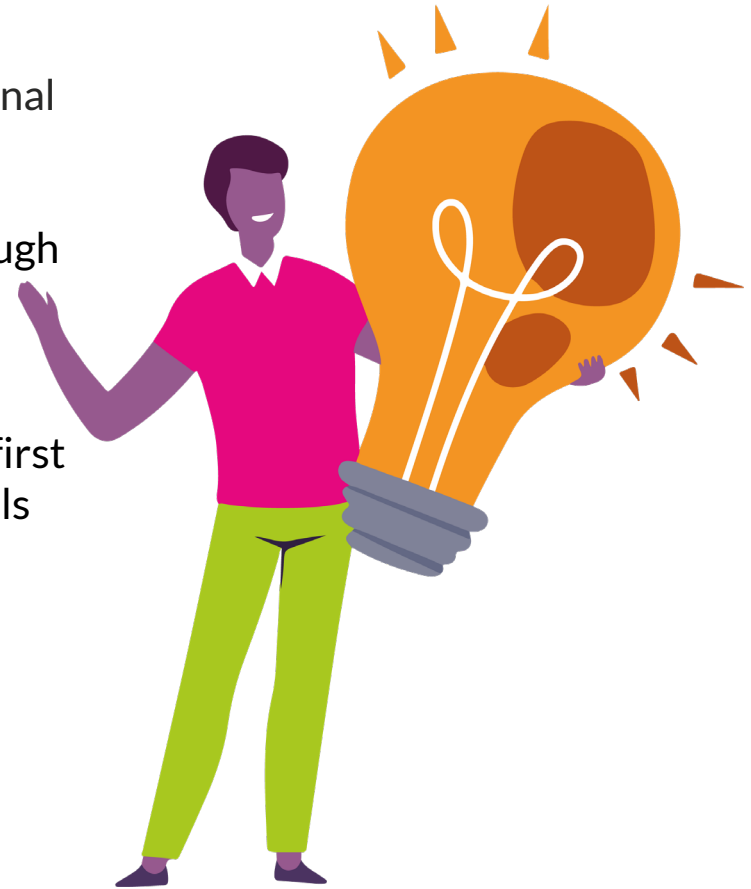
National Numeracy Day

The campaign drives:

Awareness: of the importance of numeracy to personal lives, career development and the UK economy.

Engagement: it engages people with numeracy through a multitude of relatable, practical and fun activities, events and content.

Action: the campaign empowers people to take the first steps to improving their number confidence and skills using a variety of campaign resources, videos and events.





**National
Numeracy
Day**

Help us reach the 49%

**Inspire the children and
adults you work with**

**Using the National Numeracy Day toolkit you will
be able to ...**

- Run FUN National Numeracy Day activities in your nursery or school
- Inspire your colleagues, parents and other adults in your community
- Join in on social media



Contacts

How to get help with National Numeracy Day



Get in touch

If you have any questions about using this guide or your toolkit, please contact us via email:

comms@nationalnumeracy.org.uk

