



# Supporting Multiply across West Sussex County Council

# National Numeracy

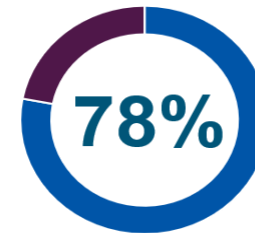
A charity set up in 2012 to put a focus on numeracy in the UK

\*The 2011 Skills for Life Survey identified shocking levels of numeracy

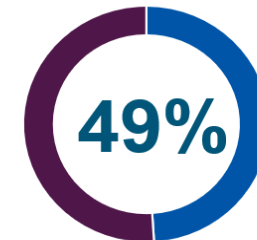
Literacy was improving but numeracy was getting worse - it remains a “hidden” problem

Maths anxiety is prevalent in our society

It was felt a different approach was needed so our maths consultants reviewed the curriculum and created “The Essentials of Numeracy”



of adults are working below level 2  
(GCSE grade 4/C)



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

\*Source: Department for Business Innovation and Skills. 2012.  
“The 2011 Skills for Life Survey: A Survey of Literacy and ICT Levels  
in England.”

# The Essentials of Numeracy

The maths needed to be confident and competent in the workplace.

Based on 4 areas around the outside which show traditional aspects of maths:

Numbers

Operations & Calculations

Shape, Space & Measures

Handling Information

There is no algebra or trigonometry - we only include skills that you meet in daily life and the workplace.

The Being Numerate area in the centre is unique – the ability to choose and use the right maths in real life situations.

**This is the foundation of The National Numeracy Challenge- online learning resource**





# Numeracy Champions

# What is a Numeracy Champion?

A Numeracy Champion is someone who can support people with low confidence in numeracy both at work and in life.

Numeracy Champions are not expected to teach maths, rather they act as mentors to support positive attitudes and encourage people to improve their skills.

Becoming a Numeracy Champion is best suited to individuals who support or mentor others both at work or in the community.



# Becoming a Numeracy Champion

## Programme content:

Numeracy: Culture, Maths Anxiety & the Impact

An Attitudinal Approach: Value, Belief & Persistence

Introduction to our online numeracy resource  
"The National Numeracy Challenge and our  
data reporting portal

Learn about "what works" in supporting numeracy  
for adults

Introduction to National Numeracy's annual campaigns.

Create an action plan to take back to your organisation to  
drive change and create a numeracy intervention that works  
for you.

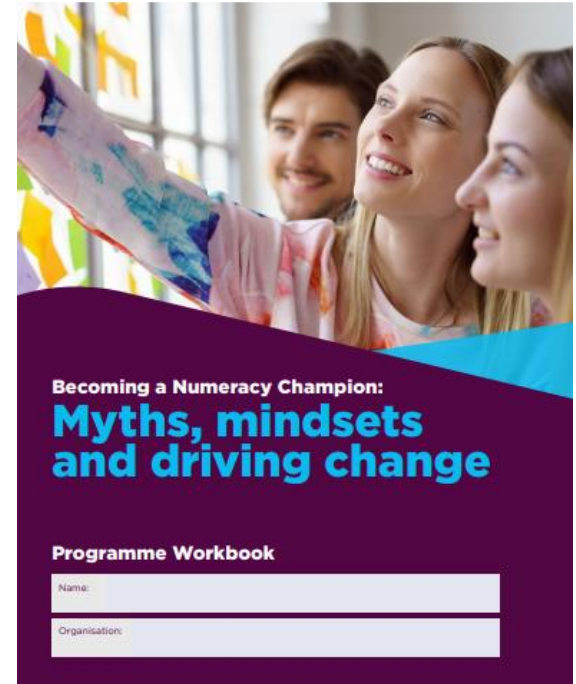


# Numeracy Champion training programme

## How it works:



- The training is completed online over Zoom, with 2 x 3 hour sessions, for up to 25 attendees, during business hours
- The sessions are interactive and included breakout rooms, discussions, polls, and videos to ensure they are engaging.
- The programme is CPD accredited
- Trained Numeracy Champions will be provided with resources to support numeracy provision across their networks or organisations.
- Trained Numeracy Champions will form part of our Champions network and be invited to attend regular forums to share ideas and best practise.





# The National Numeracy Challenge

Online learning resource

# The National Numeracy Challenge

<https://www.nationalnumeracy.org.uk/challenge/xxxx>



Brought to you by UK charity National Numeracy

[Get Started](#)

[Login](#)

Welcome to the new and improved National Numeracy Challenge

**However you feel about maths,  
you're not alone**

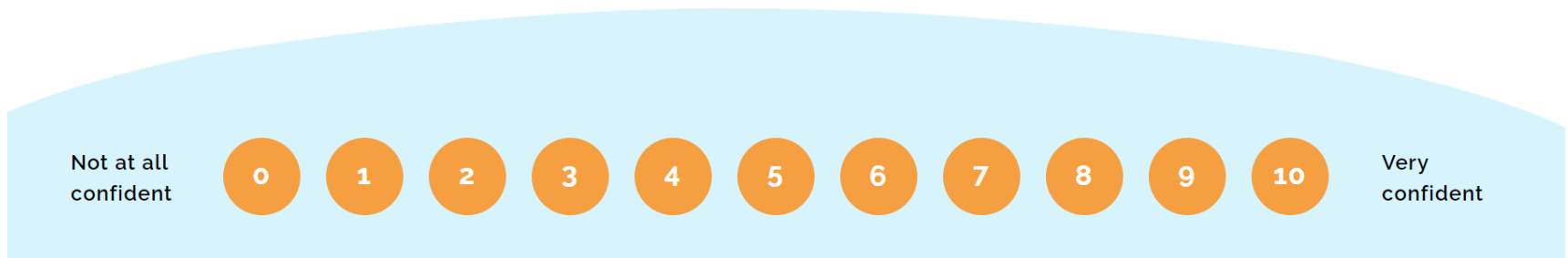
[Let's get started](#)

[I've already signed up](#)

# The National Numeracy Challenge

## How confident do you feel with numbers?

On a scale of 0 to 10, where 0 is "Not at all confident" and 10 is "Very confident", how confident are you working with numbers in everyday life?



A horizontal scale from 0 to 10, where 0 is "Not at all confident" and 10 is "Very confident". The scale is represented by a light blue curved bar containing ten orange circles, each containing a number from 0 to 10. The text "Not at all confident" is on the left and "Very confident" is on the right.

# The National Numeracy Challenge

[< Back to home](#)

## How do you feel about maths?

Pick the word that best describes how you feel about maths.

Good

Anxious

Sick

Comfortable

Great

Love

Worried

Bored

Happy

Interested

Terrified

Nervous

Stupid

Confident

Fine

Panic

Defeated

Excited

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# The National Numeracy Challenge

Focuses on everyday maths.

Includes multiple choice questions with an option for 'I don't know.'

Has no time limits.

Quick check "identifier" takes no more than 10 minutes to complete so learners can access the resources more quickly.

Adapts to the learner's level.

Available on PC, tablet or mobile phone

Following a deposit, a business account went from £1450 overdrawn to £365 in credit. How much was deposited?



£730

£1065

£1085

£1815

I don't know

# The National Numeracy Challenge



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Home Screen

Save & Logout

## Well done, you've completed a quick check

Just before we show your results, it's really helpful for us to see the numbers of people using this site by age, gender and area of the UK:

Gender

- None -

Year of birth

- None -

Next

# The National Numeracy Challenge



Brought to you by UK charity National Numeracy

Home Screen

Save & Logout

## Well done, you've completed a check-up

Finally, you may be eligible for free numeracy support online or in your local area. Letting us know what maths qualifications you have, and the first half of your postcode, will keep your location confidential, but allow us to tell you about this.

Postcode (first part only)

BN11

Local authority

Worthing

Maths qualification

Do you have any of these: GCSE, CSE or O Level A to C (or 9 to 4), Functional Skills Level 2, Scottish National or SQCF grade 5, A level or higher?

No



Next

# The National Numeracy Challenge



See the questions you got wrong and improve your skills

Which of these measurements uses imperial units?

[Learn](#)

How many breakfasts were served on Thursday?

[Learn](#)

An airliner can hold up to 755 passengers. 721 people are booked on a flight. How many spare seats will there be?

[Learn](#)

It costs £10 to send a parcel. How much would it cost to send 25 parcels?

[Learn](#)

## Your score

Your last quick-check score on 02/11/2022 was 0

[What does my score mean?](#)



## Practice

When you're ready, practise with some more everyday maths questions

[More questions](#)



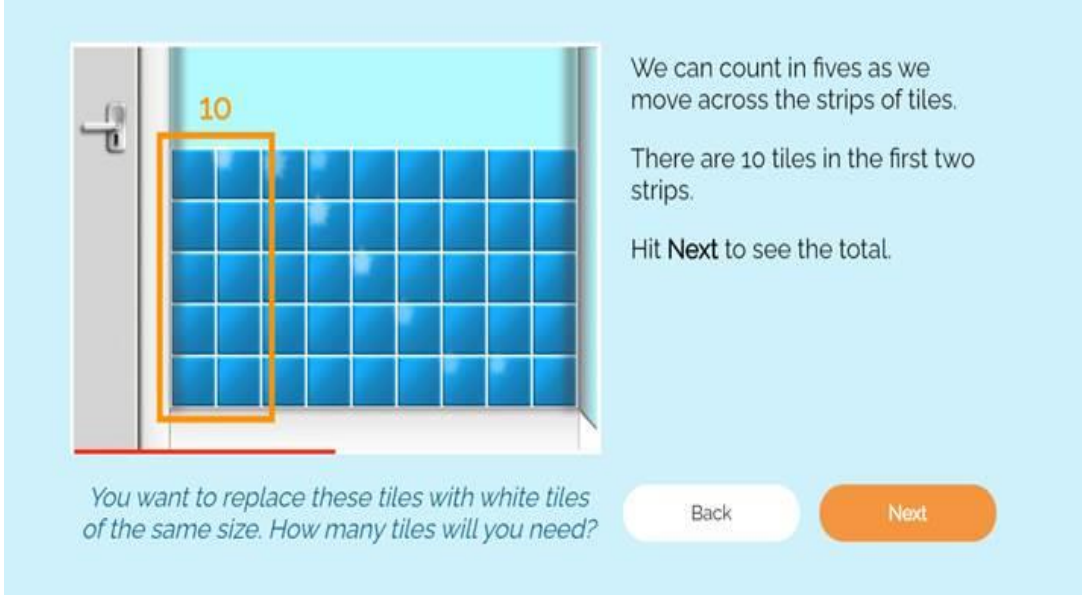
# The National Numeracy Challenge

New learning resources are now available from National Numeracy:

Learners are presented with a bank of resources based on the questions they got wrong.

These provide the correct answer and a step by step guide to help them understand the question.

The Learner retakes the quick check and is presented with new resources at the appropriate level moving them towards the Essentials of Numeracy.



We can count in fives as we move across the strips of tiles.

There are 10 tiles in the first two strips.

Hit **Next** to see the total.

*You want to replace these tiles with white tiles of the same size. How many tiles will you need?*

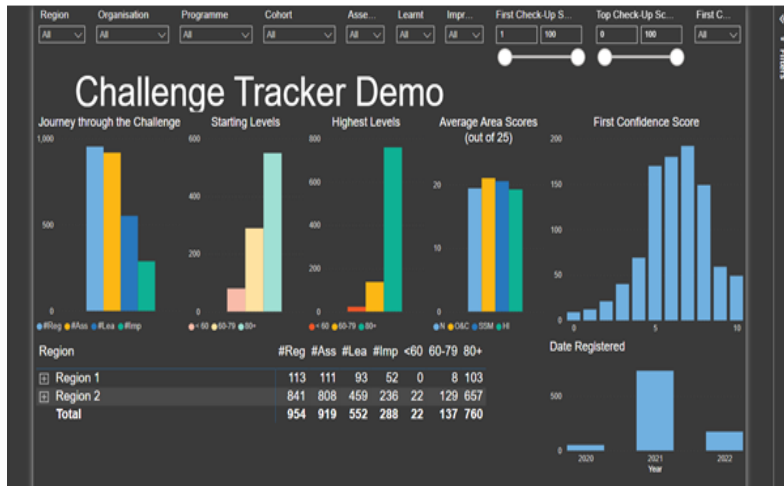
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# How the levels compare

NN Challenge Quick Check	Functional Skills Level	School
16-20 Essentials of Numeracy	Level 1 / Level 2	New GCSE 9 – 4 Old GCSE A* - C
12-15	Level 1	New GCSE 3 – 1 Old GCSE D – G
8-11	Entry Level 3	Expected age 9 to 11
4-7	Entry Level 2	Expected age 7 to 9
0-3	Entry Level 1	Expected age 5 to 7

# Power Bi reporting portal

Learner engagement activity from the National Numeracy Challenge is captured in our data reporting portal, supported by Microsoft Power BI



- Benchmarks the numeracy confidence and levels of across participating organisations
- Demonstrates learner engagement with the Challenge (e.g. learning resources accessed, increased engagement numbers after campaigns)
- Showcases increases in numeracy confidence/skills, as a result of engagement with the provision
- Reports engagement across the local authority as a whole, across an individual organisation, or via individual Numeracy Champions
- Offers real-time data management
- Data can be anonymous or not, depending on the requirements of the stakeholder and agreement with the learner

# Data collection

## Example Data

First name	Surname	Status now	Registration date	Last login	Days since last login	Months since registration	Login count	Home screen visits	Initial score	Learned with us	Total Check-Ups	Improved score
Kelly-Ann	Chambers	Registered	5/7/18	5/7/18 10:03	35	1	1	1		-		-
Frank	Smith	Started	5/7/18	5/7/18 10:01	35	1	1	2		-		-
Mo	Kumar	Started	5/7/18	9/7/18 17:45	31	1	4	15		-		-
Amelia	Sutton	Assessed	5/7/18	5/7/18 10:03	35	1	1	3	42	-	1	-
Jamie	Hart	Assessed	5/7/18	8/7/18 18:12	32	1	2	6	64	-	1	-
David	Preston	Assessed	5/7/18	5/7/18 9:58	35	1	1	5	81	-	1	-
Dorothy	Arnold	Learnt	5/7/18	8/8/18 15:52	1	1	18	105	57	yes	1	-
Syed	Patel	Learnt	5/7/18	14/7/18 11:09	26	1	4	31	49	yes	1	-
Belinda	Davidson	Learnt	5/7/18	12/7/18 9:31	28	1	5	13	52	yes	1	-
Agneltha	Ivanov	Learnt	5/7/18	21/7/18 22:16	19	1	8	50	53	yes	1	-
Steven	Peterson	Reassessed	5/7/18	10/7/18 21:25	30	1	7	21	79	-	3	-
Graham	Thompson	Improved	5/7/18	1/8/18 20:18	8	1	23	97	56	-	2	60
Giovanni	D'Angelo	Improved	5/7/18	30/7/18 12:41	10	1	18	89	67	yes	2	75
Soo-yeon	Xi	Improved	5/7/18	9/8/18 1:14	0	1	78	289	58	yes	6	86
Emma	Williams	Improved	5/7/18	27/7/18 19:49	13	1	12	51	45	yes	4	94

# Thank You

**Contact:**

Sally Hilton – National Relationship Manager

[sally@nationalnumeracy.org.uk](mailto:sally@nationalnumeracy.org.uk)