10 March 10-11am Via Teams

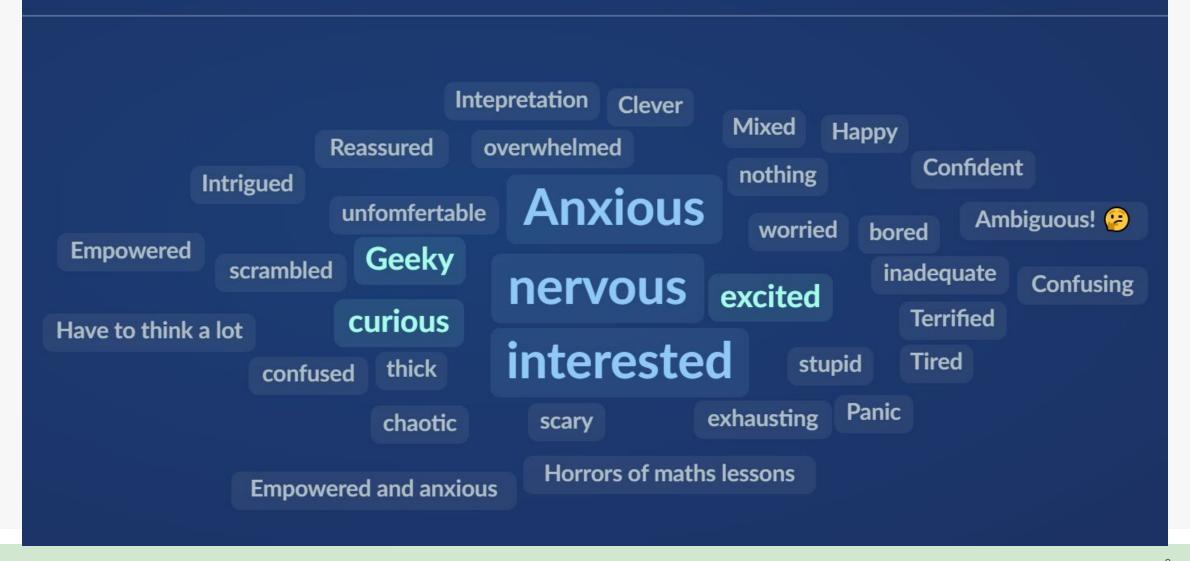
Taking a plain numbers approach to service design

Services week



How do numbers make you feel?

In one word, how do numbers make you feel?





1 out of 2 adults have the numeracy level expected at primary school



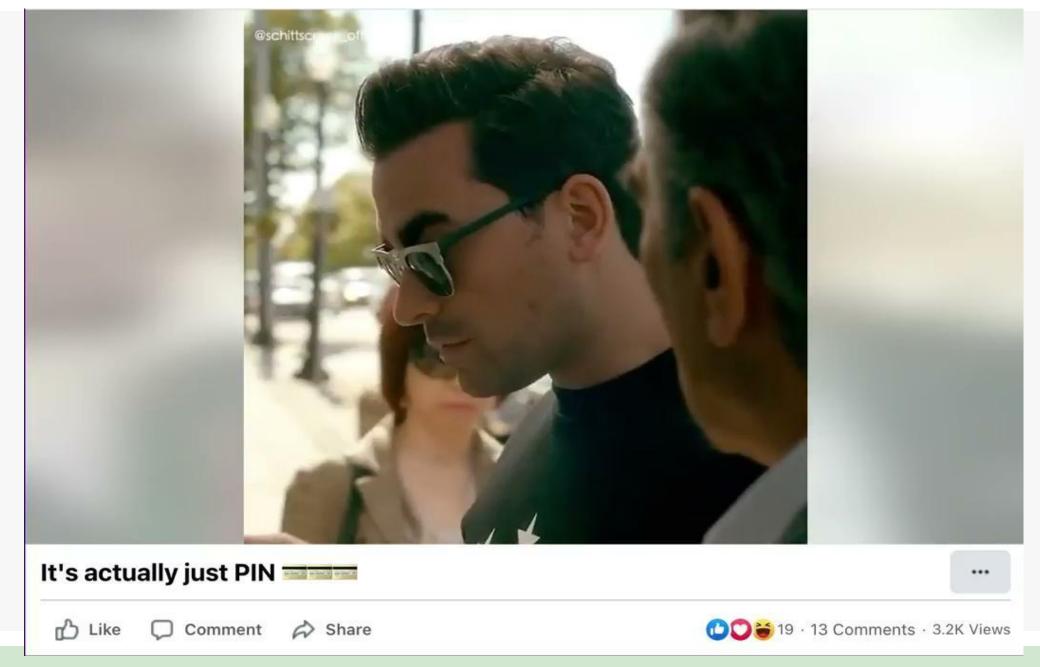
Maths makes

1 out of 4 of us feel anxious



Paying tax can cause fear and anxiety related to paying tax, which may impair my ability to pay tax





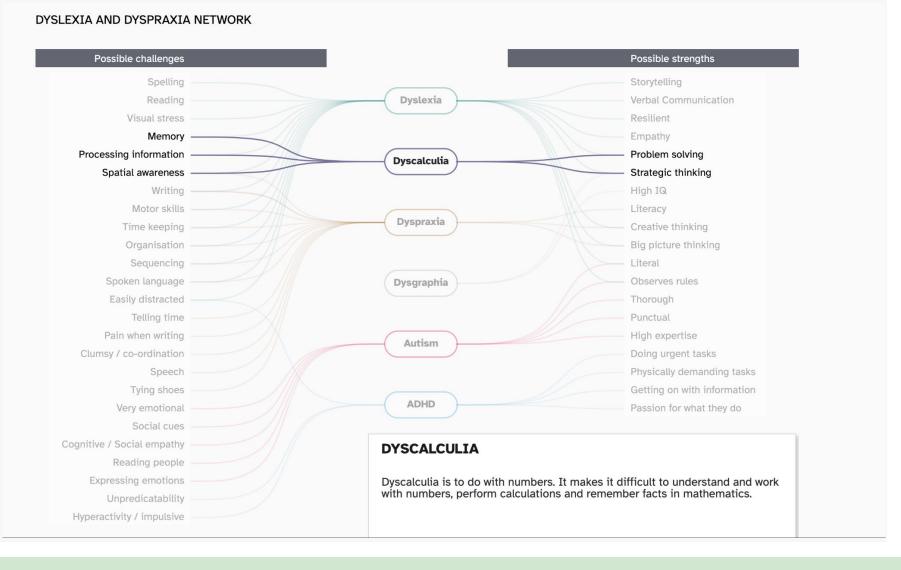
Government Gateway user ID This could be up to 12 characters.
Enter a valid user ID and password. You will be locked out for 2 hours if you enter the wrong details 5 times
Password

Dyscalculia

dis ·kal · kyoo · lee · uh

Civil Service Dyspraxia and Dyslexia Network (CSDDN)







Evidence suggests 1 out of 20 adults have dyscalculia

"I have dyscalculia so I need to check the numbers I enter at least twice. This makes me feel nervous on your website."

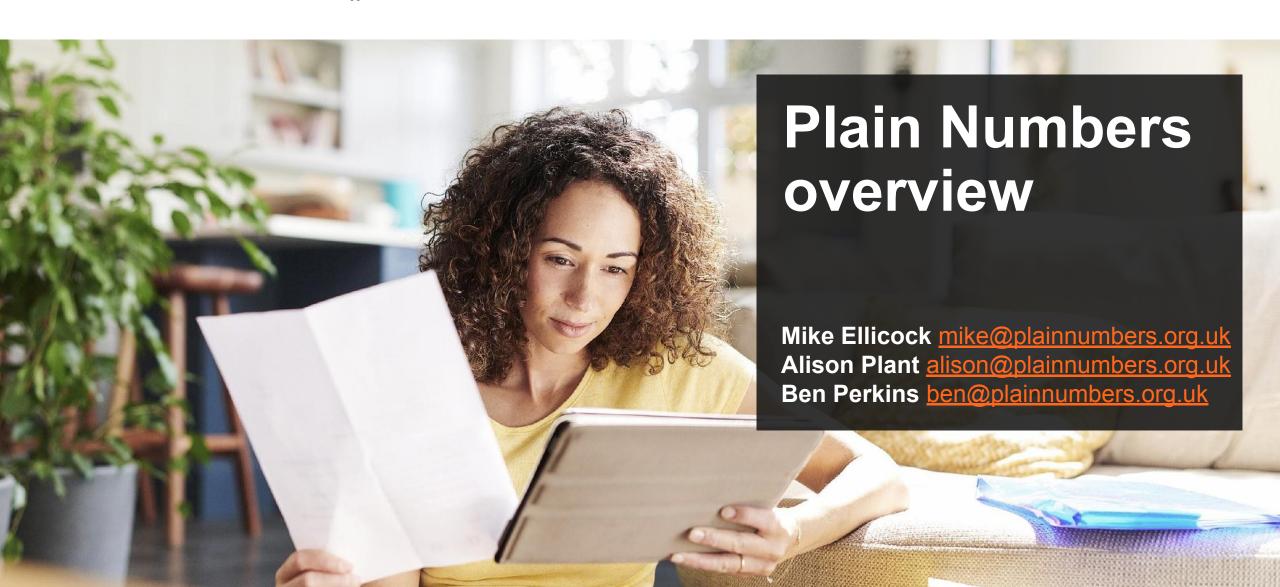
Designing for accessibility



Plain Numbers Project Ben Perkins

Plain Numbers

Clear. Fair. Never misleading



We are proud to be working with a growing group of forward-thinking partners...



































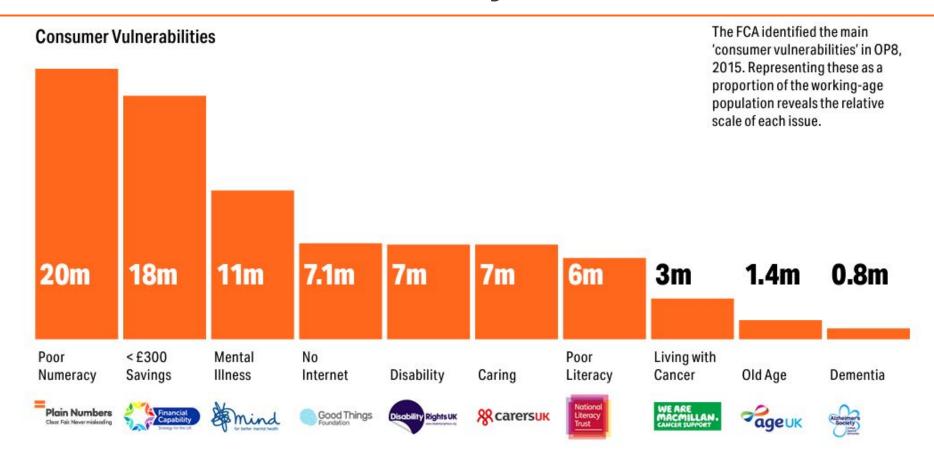






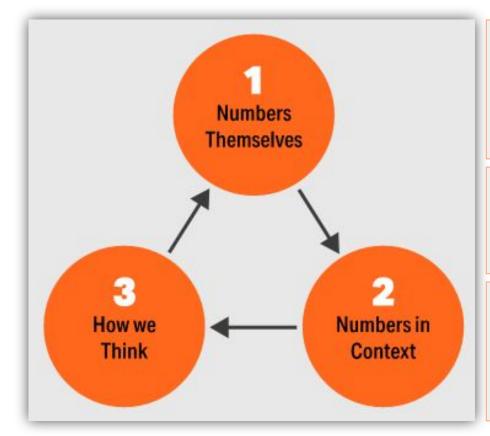
.....and are keen to support more organisations who are committed to improving customer outcomes.

Data used by the FCA shows that poor numeracy is the single most common vulnerability...



...but most firms don't recognize this - yet.

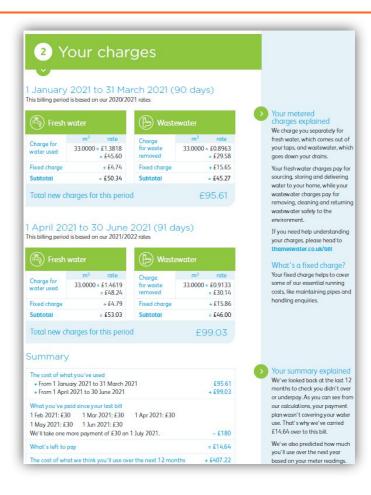
The Plain Numbers Approach improves customer comprehension through seemingly small changes...



- 1. Numbers themselves: Numbers do not come naturally to most humans. They need to therefore be presented in ways that most humans can understand
- 2. Numbers in context: Don't assume the customer understands "our little world". Avoid terminology around numbers and speak "Human to Human"
- **3. How we think:** Are the numerical concepts and the numbers and data we are presenting for 'fast' or 'slow' consumption do we want to do anything to change this?

...our unique perspective enables firms to better support customers.

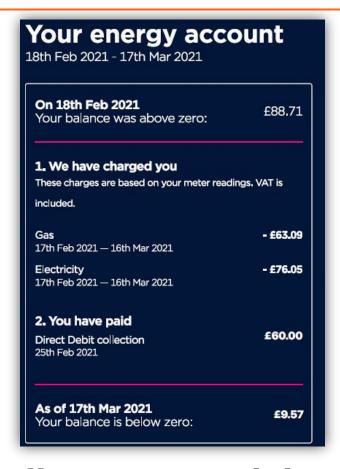
In 2021 we trialled the Approach with market leading firms using Randomised Controlled Trials ...





... to test existing documents against a Plain Numbers version.

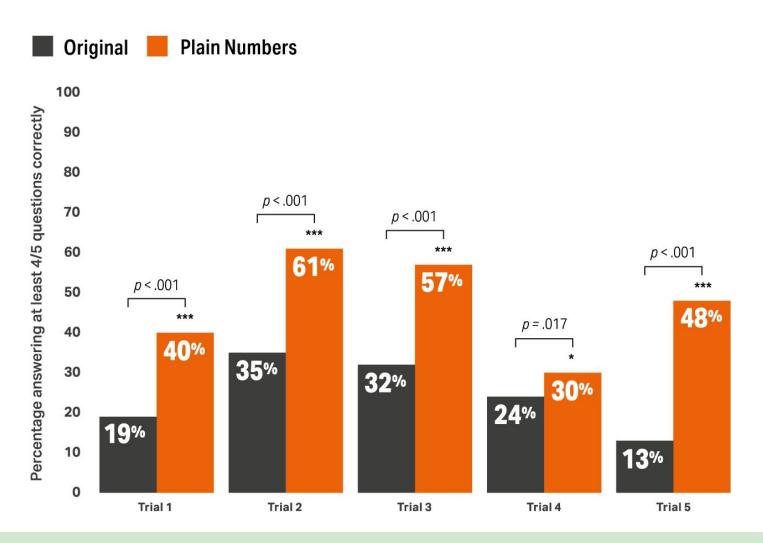
Across the five trials, we asked 'basic' comprehension questions...





...in all cases, participants' answers showed a clear increase in comprehension for the Plain Numbers version.

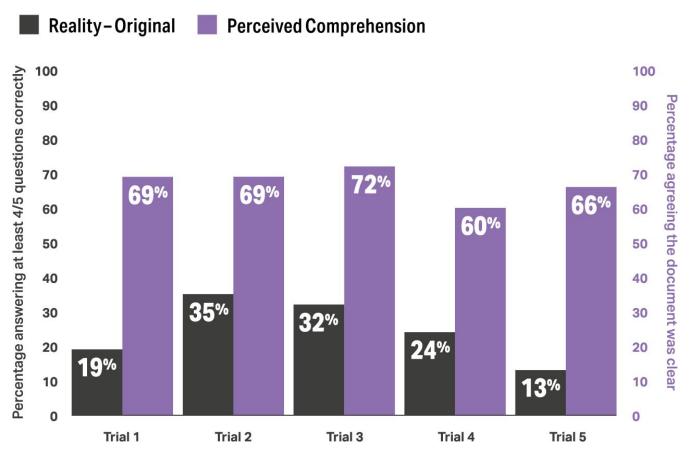
Overall, the number of people answering at least four out of the five comprehension questions correctly doubled



Analysis involved a two-tailed z-test for independent proportions, using the Bonferroni correction to correct for multiple comparisons. p-values for statistically significant differences between arms are indicated using *p < .05. **p < .01. ***p < .001

We also asked whether the document was 'clear, fair and easy to understand' before assessing actual understanding...

Across all trials the majority of participants agreed that the document was 'clear, fair and easy to understand'.



... this revealed a disconnect between perceived and actual understanding.

We work with leading organisations to raise awareness...

Advisory partners commit to raising the profile of Plain Numbers and encouraging firms to follow best practice

- Champions Training
- Opportunities to steer development of Plain Numbers work
- •Access to shared learnings from across the Plain Numbers Community
- Profile as a Plain Numbers partner
- Ongoing support from the Plain Numbers team



Working together



Champion

...so that it can become the accepted way of communicating numbers.

We also work with organisations who communicate with customers to embed the Plain Numbers Approach...

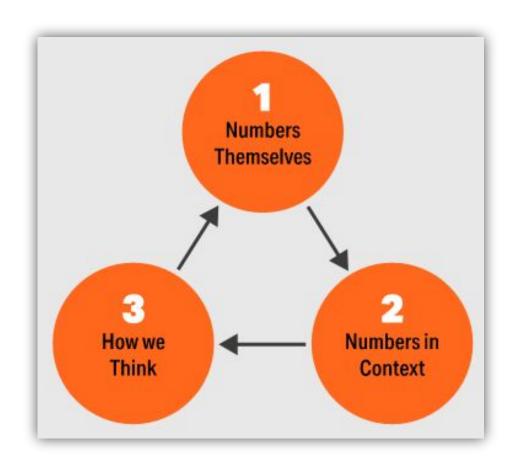
Working together for a minimum of 3 years:

- •5 Practitioners trained per year
- •Top up training, drop-in sessions and ongoing support for Practitioners as they use the Plain Numbers Approach
- •5 documents certified per year
- Awareness raising sessions for relevant stakeholders
- •Social media support to promote the Partner's Plain Numbers journey



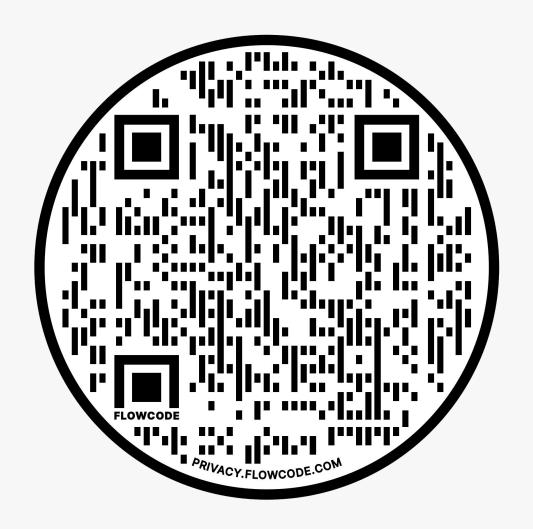
...to improve customer comprehension.

Recap, three key principles to remember...



Next steps.

Tell us what help you need to present numbers clearly



Scan the QR code to take the survey

Thank you

Anyone interested in joining the Civil Service Dyslexia and Dyspraxia Network (CSDDN) please email

CSDyslexiaDyspraxiaNetwork@culture.gov.uk