

The logo for TalentEd, featuring the word "Talent" in a dark blue serif font and "Ed" in a light blue sans-serif font.

Tailored tuition to help students grow

# Online Maths Masterclasses

May pilot review

# Maths Masterclasses pilot was a chance to test the concept

- ▶ 65 top performing Maths students in years 7 and 9 were selected to join
- ▶ The sessions were run by experienced Maths tutors, focused on stretching students and exposing them to new and different Maths problems
- ▶ Sessions were online, and delivered in groups of 3-5 students, mixed from schools across the country
- ▶ The pilot ran for 4 weeks during May 2020

What comes next in this sequence?  
1, 2, 4, 8, 16, ...

Take a look at this – how many regions do we get if we connect different numbers of points on a circle.

Points = 1 Regions = 1      Points = 2 Regions = 2      Points = 3 Regions = 4



## Question 2

In the diagram, the number in each circle is the sum of the numbers in the two circles below it. What is the value of x?

A 40    B 100

C 32    **D 52**    E 34



Good Thinking  
TalentEd

We selected the  
top Maths students  
from across the  
country



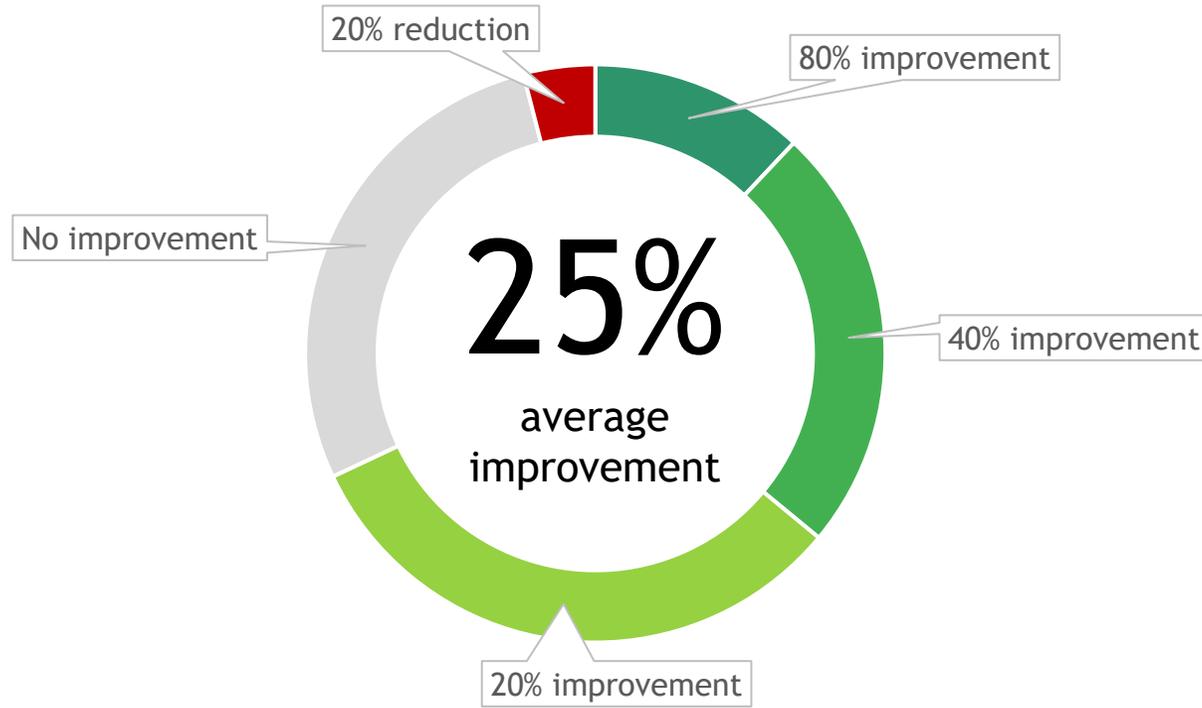
# We had three key elements to test

- 1 Would the Maths Masterclasses improve the students' Maths abilities?
- 2 Would the online format still allow for a good level of engagement and interaction?
- 3 Would parents and students find the programme valuable?

# 1 Would students' Maths ability improve?

Students showed progress in indicative test scores during the pilot

Student test score progress from pre-test to post-test

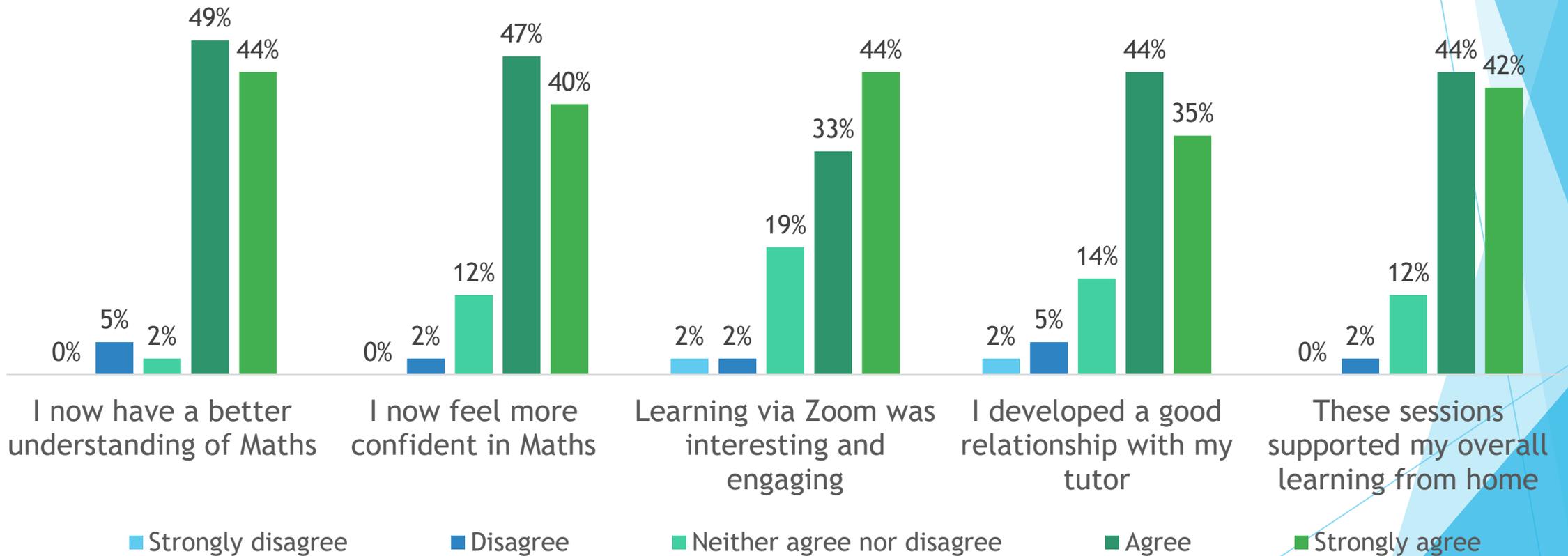


- ▶ Students given short tests during first and last sessions<sup>1</sup>
- ▶ Covered challenging maths problem-solving questions
- ▶ Two thirds of students improved their score between tests
- ▶ Average improvement was 25% (or 1.5 test points)

## 2 Would the online format work?

Student feedback was overwhelmingly positive

Student feedback at the end of the pilot



### 3 Would the programme be valued?

Both parents and students were very positive in their reflections

“*The beauty of it was that it was a break from the norm. The work and homework was challenging, but he felt supported. He had a smile on his face when he finished.*

- Parent

“*They loved interacting with kids from other schools... They can learn from the others. Just four classes, but they've made a big difference.*

- Parent

“*Their school maths work is not nearly stretching enough, despite being in the top sets, so it was a great opportunity for them to have some more engaging material and in a small group format.*

- Parent

“*I enjoyed the fact that there were questions that I actually found hard, creating a nice challenge for me.*

- Maths Masterclass student

“*Having a small group so we got to have a go at trying the problems and sharing our methods. It was fun whether you got them right or wrong.*

- Maths Masterclass student

“*I really loved how interesting and fun the teaching methods were, it was a great session and I learnt a lot!*

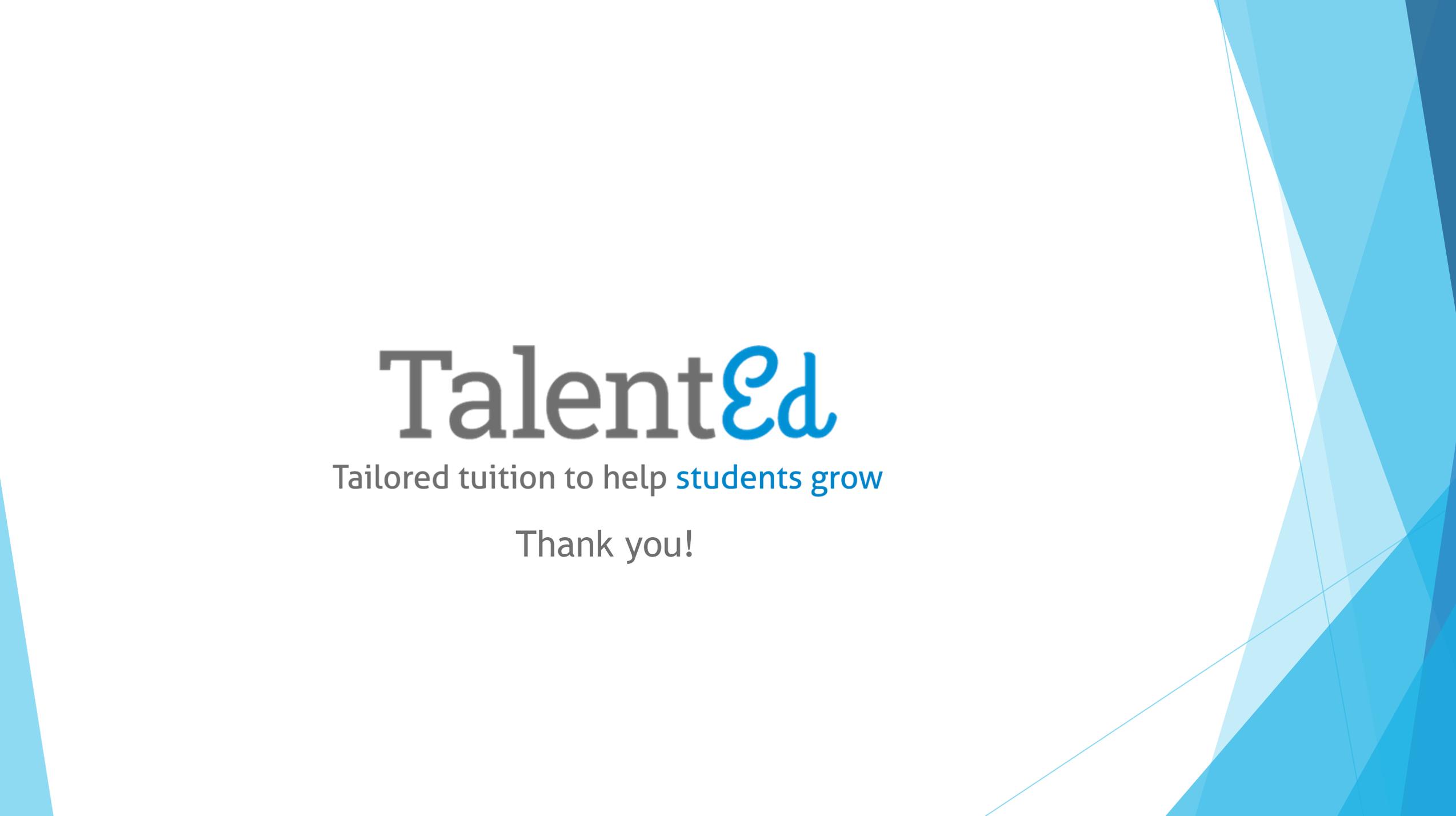
- Maths Masterclass student

# Next steps

Following the positive feedback from the pilot, we are currently planning for a larger roll-out of the Maths Masterclasses - which we hope will be larger and even more impactful.

Watch this space for more!

Many thanks to the students, parents, teachers and tutors who took part in the pilot.



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Thank you!