


# Step-Change Your Students' Maths Scores With Cerebry & Transform Your Maths Education



Leveraging recent advances in AI to offer the Gold-Standard of Personalised Learning.



The Most Effective Maths Practice Platform In The World

[www.cerebry.co](http://www.cerebry.co)

# World's First Maths Practice Platform That Offers

01

## Real-Time Question Generation

Defining a new standard in the field of education, Cerebry is an AI-powered Learning Mastery Platform for Maths. It understands a domain (like Maths) and engages with students autonomously, configuring the appropriate learning experience to match each student's personal learning path, leading them to mastery. Cerebry's Autonomous Question-Generator creates finely-graded Math questions which are customised to the student's skill level intuited at the moment. These questions are unique and will never be repeated. Cerebry mirrors the nurturing approach of an educator and consequently enables the student to master concepts most effectively. This sets Cerebry apart from all existing alternatives which rely on fixed question sets, forcing students into preset learning paths.

02

## Micro-Variance Personalised Learning

True personalised learning means minutely adapting to every individual student's needs, down to the smallest variances. Cerebry is the only practice platform to create infinitesimal variation in question difficulty levels, providing micro-variance in learning paths and precisely catering to every student's personalised needs. Challenging high achievers, supporting those in the middle & nurturing those who are struggling.

## Practice Co-Pilot

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Effective practice means maximising the rate of learning and minimising time waste. This is where Cerebry comes packed with another world's first ever technology "Practice Co-Pilot". The beauty of real-time question generation is that Cerebry knows what the most common mistakes are for a type of question and is able to give students a heads-up, thereby minimising mistake-rates, maximising learning-rate and promoting positive practice experience.

## High- Fidelity Diagnostics

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With Cerebry creating every question on the fly, it also knows the constituent concepts which go into each question. Cerebry's Breakout Mode enables it to precisely pin-point student's weakness down to the granular level and help's the student instantly resolve that through built in micro-guidance. Just like having your own detail-oriented Math tutor.

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***Students achieve bigger jump in topic proficiency level and correspondingly higher grades with every practice session versus traditional methods.***

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# What do educators think of Cerebry?



Cerebry has really aided growth throughout my class. I feel like there are two teachers and one is available 24/7 for students! My students are able to accomplish more than they had prior to implementing the program. I was hesitant to start Cerebry, but this quickly changed when I was exposed to all amazing things that the program offers! It has helped me truly meet the needs of all my learners!

Rahul Sharma, Grand Columbus School, Delhi-NCR



## How will I benefit as a Maths Teacher?

### Identify struggling students

- Comprehensive student reports

### Spend less time grading

- Automated grading at every step

### Assign tasks in advance

- Task Templates
- Quick & Easy Assign

### Monitor students' performance

- Progress reports
- Actionable insights
- Real-time activity reports

## Curriculums Supported

CBSE (India)   GCE (Singapore)   GCSE (UK, International)  
IB (International)   IGCSE (International)

# Technology Under The Hood

An outcome of 8 years of R&D at the National University of Singapore, Cerebry is powered by first in the world patent-pending AI technology.

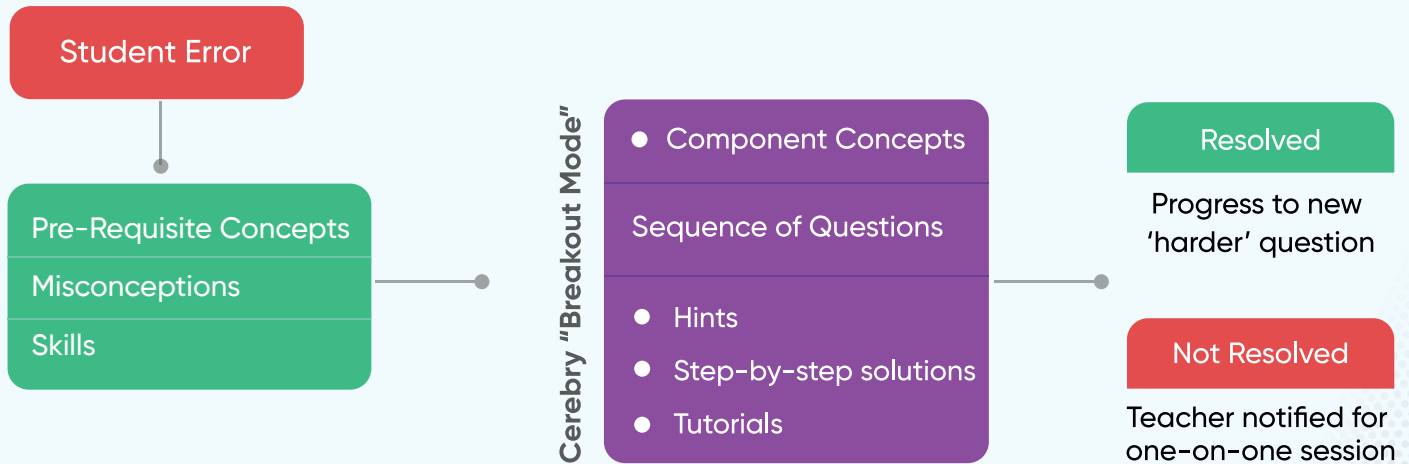
## Adaptive Learning

- Step by step solutions
- Hint
- Concept videos
- Diagnostics

## AI-Powered Question Generator

- Domain-independent
- No question bank needed
- Deductive reasoning on domain knowledge

## Cerebry's Intelligent Problem Resolution Process



*Cerebry remembers these errors and will replicate similar error type in other questions in the same topic or other future related topics*



# Student Interface



←

✓

Diagnostic

Practicing Now

Capable

33.33%

🔒

Practice Level

Strong

🔒

Practice Level

Ninja

🔒

Test

Topic

Select the correct graph from the options for the linear equation given below. [Collapse ^](#)

💡 Hint

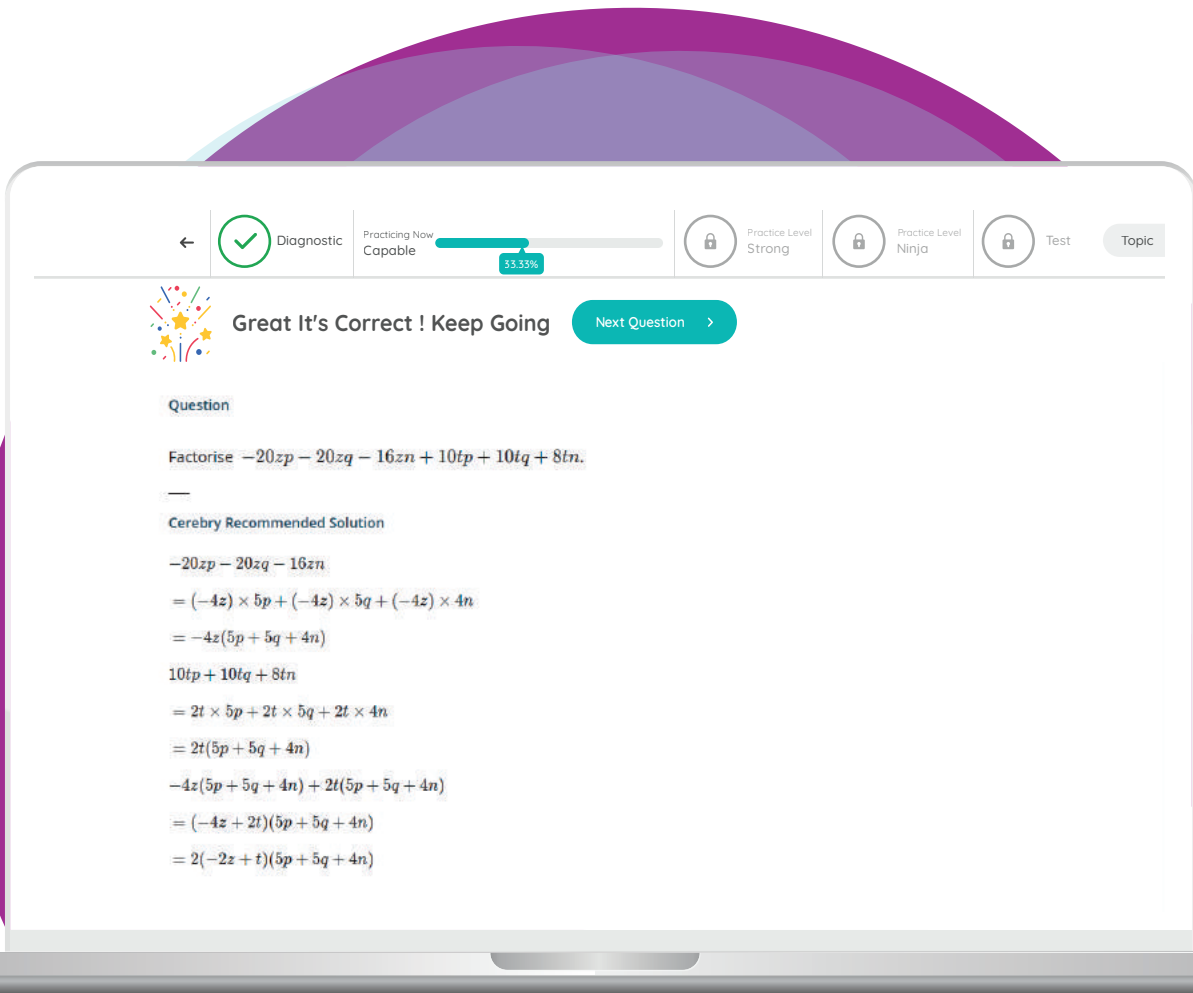
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☐


Finely Crafted Beautiful Interface



# Step-by-Step Solution Access



←  Diagnostic Practicing Now Capable 33.33%  Practice Level Strong  Practice Level Ninja  Test Topic

 Great It's Correct ! Keep Going [Next Question](#)

**Question**

Factorise  $-20zp - 20zq - 16zn + 10tp + 10tq + 8tn$ .

**Cerebry Recommended Solution**

$$\begin{aligned} & -20zp - 20zq - 16zn \\ &= (-4z) \times 5p + (-4z) \times 5q + (-4z) \times 4n \\ &= -4z(5p + 5q + 4n) \\ & 10tp + 10tq + 8tn \\ &= 2t \times 5p + 2t \times 5q + 2t \times 4n \\ &= 2t(5p + 5q + 4n) \\ & -4z(5p + 5q + 4n) + 2t(5p + 5q + 4n) \\ &= (-4z + 2t)(5p + 5q + 4n) \\ &= 2(-2z + t)(5p + 5q + 4n) \end{aligned}$$

## Easy Self Guidance

# Running Diagnostics

← Exit Topic

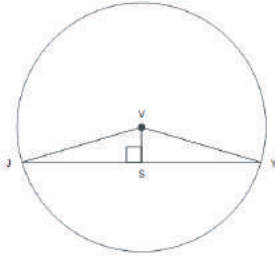
Question Breakout

- Concept One
- Concept Two
- Concept Three
- Concept Four
- Concept Five
- Concept Six

Great It's Correct ! Keep Going

Next >

Question Collapse ^



Given triangle VSJ,  $VS \perp SJ$ ,  $VJ = 25$  cm and  $VS = 7.0$  cm. Find length of SJ.

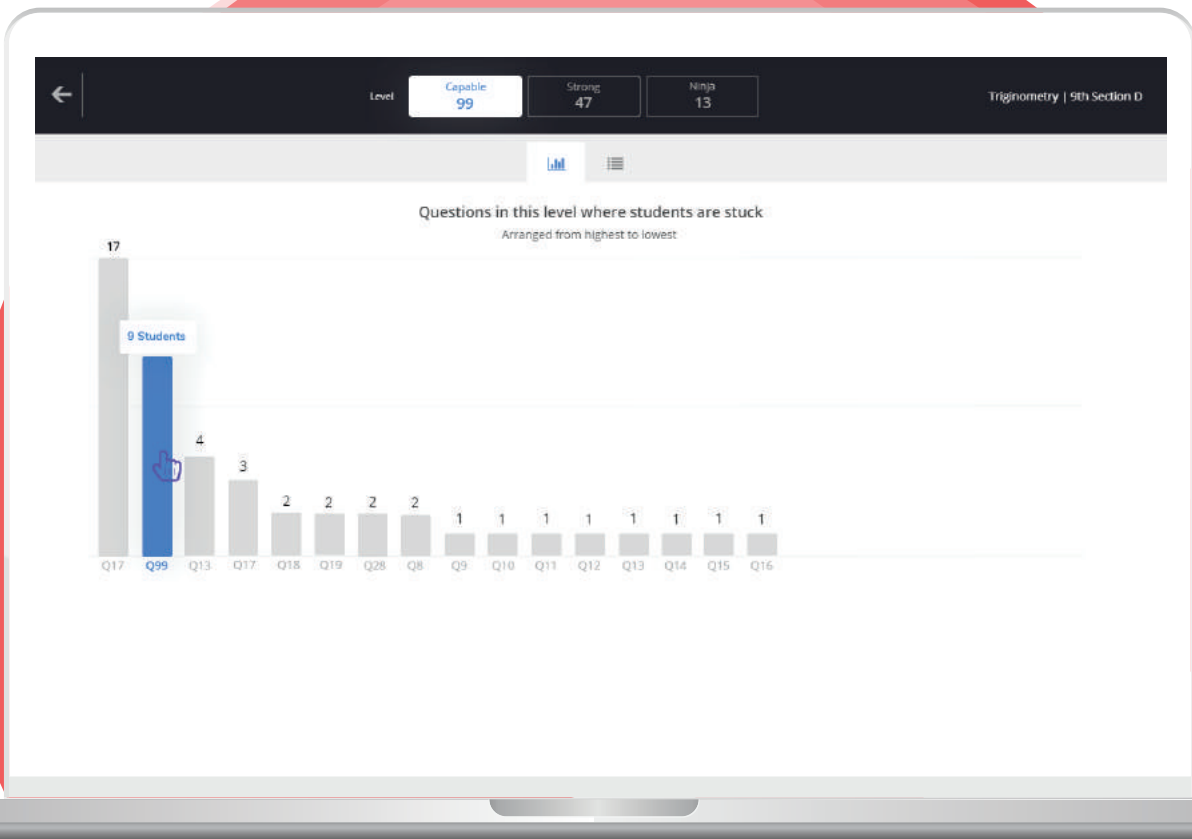
Answer =  cm (correct to two decimal places if the answer is in decimal)

Correct Answer

## Concept-Wise Weakness Elimination



# Teacher Dashboard



Powerful Yet Intuitive Reports



[www.cerebry.co](http://www.cerebry.co)



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