



Teacher's Guide to the November Numeracy Challenge

21st – 25th November 2022





Welcome to the November Numeracy Challenge!

The competition will run from **Monday 21st to Friday 25th November**. Each class/school will compete to earn as many Live Mathletics points as possible within the time period.

The top schools will be the schools with the highest average total of participation points. This will be calculated by taking the total number of participation points divided by the total number of registered students in the school.

Our top 10 schools will win a special prize pack and experience glory on a global scale!



The Mathletics November Numeracy Challenge



How does it work?

Your students will use their usual Mathletics accounts to compete in Live Mathletics games and earn as many points as possible during the week!

What is Live Mathletics?

Live Mathletics is an awesome way for students to practice their mathematics skills. They can choose to versus the computer, peers in their class, school, or even around the world in one-minute mathematics battles. There are many different levels to cater to all ages. You can also set a minimum level for your students to ensure they are not on levels that are too easy for them!

Your Guide to Live Mathletics levels

Here's what you'll find in each of the Live Mathletics levels:

Level 1	Addition (1-10) Doubles up to 10
Level 2	Addition (1-20) Subtraction (1-20)
Level 3	Addition (1-50) Subtraction (1-50) Multiplication with 2s, 3s, 4s, 5s, and 10s Times Tables Doubles and halves up to 50 Addition with a missing numeral (1-20)
Level 4	Addition (1-100) Subtraction (1-100) Multiplication with Times Tables up to 10x10 Double and halves up to 100 Division with 2s, 3s, 4s, 5s, and 10s division facts Addition with a missing numeral (1-50) Multiplication to 10x10 with a missing factor
Level 5	Addition (1-500) Subtraction (1-500) Addition with a missing numeral (1-100) Multiplication and division facts up to 10x10 Time Conversions Length Conversions
Level 6	Operations with decimals Calculations using brackets Simple percentages Converting mm, cm, and m 24-hour time Timetable calculations Percentages and decimals Terms in sequencing with decimals Terms in a sequence with whole numbers

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Your Guide to Live Mathletics levels

Level 7	Sum, difference, product, and quotient Cubes Operations with integers Volume and capacity conversions Order of operations I The Cartesian Plane I Equivalent fractions Ratios Volume of rectangular prisms I Area of plane shapes I
Level 8	Algebraic substitution Order of Operations II Terms in a sequence with decimals II Area and volume conversions Factoring I Volume of rectangular prisms II
Level 9	Algebraic substitution II Factoring II Order of operations III Expanding brackets I Midpoint between two points Pythagorean triads The Cartesian plane II Chance outcomes Simplifying algebra Scientific notation
Level 10	Logarithms Solving equations Algebraic substitution III Expanding brackets II Expanding quadratics Factoring quadratics Surface area of cubes Percentage probability

How to set a minimum level for Live Mathletics

By default, all Live Mathletics levels are accessible for students. If you have older students, it may be useful to set a minimum level in Live Mathletics to lock them out of playing the easier levels. When you set a minimum level, students will only be able to access that level and the levels above. To make it easier to differentiate, you can set minimum levels for different students.

To set a minimum level:

- Click **Settings** in your teacher console
- Click **Set minimum levels**
- Select a minimum level for each student
- Click **Save**.

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How do my students access Live Mathletics?

In the Mathletics learning space, students will find Live Mathletics in the **Play** area.



Student Console Grades/Years K/R – 6



Student Console Grades/Years 7 – 12

How do I see the number of Live Mathletics points my students are earning?

To see how many Live Mathletics points your students are earning, click **Reports** and then click **Effort and participation**.



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Live Maths points



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Activity points

How do I know how my school is tracking in the competition?

We'll email you a leaderboard midway through the competition.

A final leaderboard will be available on the webpage and emailed to you once results have been verified.

Good luck and happy competing!



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