



LIVE MATHLETICS

In **Live Mathletics**, you can challenge other students to real-time mathematical races that will test the speed and accuracy of your mental calculations! You can choose to compete against students from right across the world, or from your own school or class.

Points and credits are awarded for correct answers and beating your high score.

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All games have ten levels of difficulty. Challenge yourself in the bonus level to earn double points!

Choose whom to compete against, and press **GO!** You will then be matched with an opponent from your class, school – or anywhere in the world! The **school/class feed** will show you who else is online/playing in your school.



Keep a track of all of your results at each of the ten **Live Mathletics** levels here.

Your speed & accuracy at each of the ten levels will give you a ranking from **Raging Rookie** to **Human Calculator**. You will only be matched against other similarly ranked opponents.

CONTINUED...



You can use the **School/Class Feeds** to read live updates of how other students in your school are taking part in Live Mathletics. You can see who else is online and who is winning games!



If you see a classmate in the **School/Class Feeds**, you can click on that news item. If you are fast enough, (and there is room left in the game for another player) you could be able to jump in and join the race!



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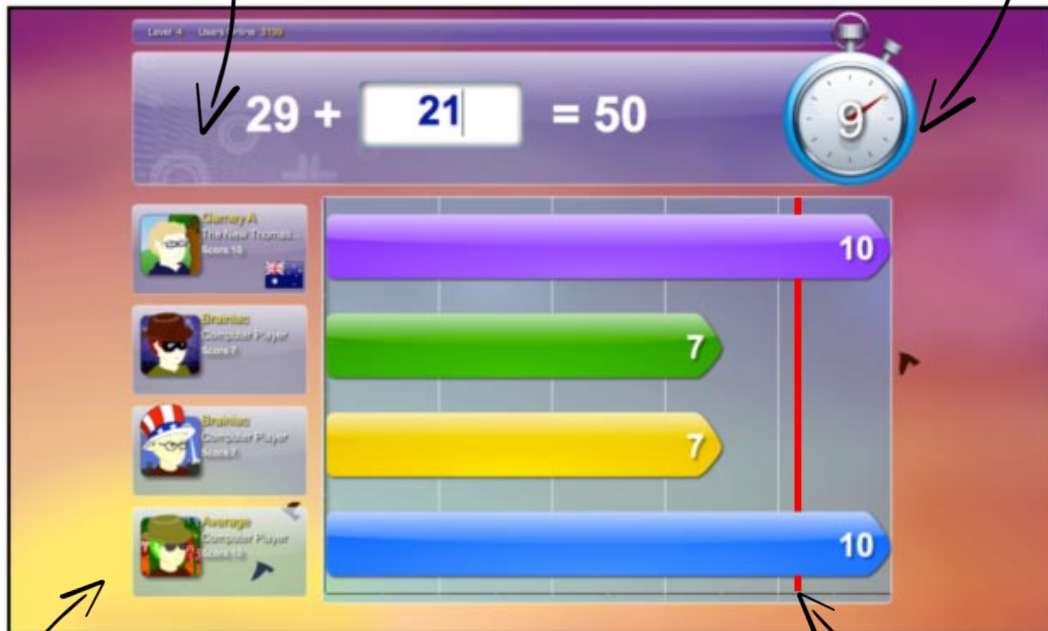
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You will be matched with up to three other players

Your goal is to correctly answer as many questions as you can in 60 seconds. Be careful though, three incorrect answers and you'll strike out – game over!



You will be able to follow your progress as your bar races across the screen during the race – keep an eye out for your opponents too!

Keep an eye out for a vertical red line appearing in the results area – this is your previous high score. If you beat this, you will be awarded with **10 extra credits** to spend on your avatar.



Each correct answer will add **1 point** to your weekly total. Enter a race in the bonus level and this will double to **2 points** per correct answer.



Win your race and you will be awarded **5 extra credits** to spend on your avatar in the Mathlete Shop.



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Live Mathletics has ten levels across all gaming areas. These are the same ten levels for all students. Below is a summary of what question types are included at each level.

THE TEN LEVELS

- LEVEL 1** Addition within 10
Addition doubles within 10
- LEVEL 2** Addition within 20
Subtraction within 20
Doubles and halves within 20
- LEVEL 3** Addition within 50
Subtraction within 50
Doubles and halves within 50
Multiplication facts: 2s, 3s, 4s, 5s and 10s
Addition within 20: with a missing addend
- LEVEL 4** Addition within 100
Subtraction within 100: no exchanging
Doubles and halves within 100
Multiplication facts up to 10×10
Division facts: 2s, 3s, 4s, 5s and 10s
Addition within 50: with a missing addend
Multiplication facts up to 10×10 : with a missing factor
- LEVEL 5** Addition within 500
Subtraction within 100: with exchanging
Multiplication & division facts up to 10×10
Multi-step operations
Addition within 100: with a missing addend
Subtraction within 50: with a missing addend, subtrahend or minuend
Time conversions
Length conversions
Number sequences
- LEVEL 6** Decimal addition from 0.1 to 0.0
Decimal subtraction from 1.0
Multiply decimal by whole number
Multiply decimal by decimal
Order of operations with whole numbers
Multiplying 3 numbers
Simple substitution
Patterns of 1 to 10
Sum, difference, product and quotient
Converting mm, cm and m
24 hour time
- LEVEL 7** 24 hour time
Converting between m^2 and cm^2
Converting between cm^2 and mm^2
Converting between m^3 and cm^3
Converting between cm^3 and mm^3
Solving simple one step equations
Solving simple two step equations
Simple ratios with two numbers
Cubes
Adding and subtracting negative numbers
Multiplying negative and positive numbers
- LEVEL 8** Algebraic substitution
Converting between m^2 and cm^2
Converting between cm^2 and mm^2
Converting between m^3 and cm^3
Converting between cm^3 and mm^3
- LEVEL 9** Surface area of cubes
Pythagorean triads
Expanding brackets
Find the midpoint between two points
Factorising simple quadratics
Expanding simple quadratics
Algebraic substitution
- LEVEL 10** Algebraic substitution
Logarithms
Pythagorean triads
Factorising simple quadratics
Expanding simple quadratics
Solving equations
Surface area of cubes

