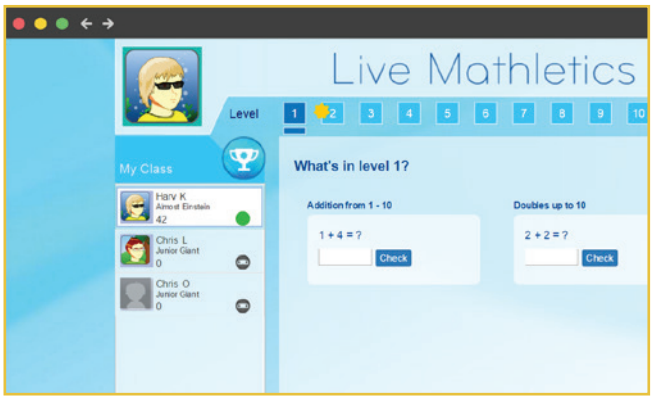
Live Mathletics
A gamified learning experience

Levels

Live Mathletics is designed to be used by students across all grade levels.



Within the dashboard, use **the small bar** below the level numbers to explore what is within each level.

Bonus Level – When a game is played at this level, players earn double points for each question answered correctly.

Level 1

- **Addition from 1 - 10**
  2 + 1 = ☐
- **Doubles up to 10**
  4 + 4 = ☐

Level 2

- **Addition from 1 - 20**
  10 + 4 = ☐
- **Subtraction from 1 – 20**
  13 – 7 = ☐

Level 3

- **Addition from 1 - 50**
  24 + 17 = ☐
- **Subtraction from 1 - 50**
  50 – 35 = ☐
- **2s, 3s, 4s, 5s and 10s Times Tables**
  4 x 5 = ☐
- **Doubles and halves up to 50**
  22 + 22 = ☐
- **Addition from 1 - 20 with a missing addend**
  3 + ☐ = 20

Level 4

- **Addition from 1 – 100**
  85 + 13 = ☐
- **Subtraction from 1 - 100**
  66 – 24 = ☐
- **Times Tables to 10 x 10**
  9 x 8= ☐
- **Doubles and halves up to 100**
  Half of 78 = ☐
- **2s, 3s, 4s, 5s and 10s division facts**
  10 ÷ 5 = ☐
- **Addition from 1 - 50 with a missing addend**
  23 + ☐ = 50
- **Times Tables to 10 x 10 with a missing factor**
  7 x ☐ = 56

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Level 5

Addition from 1 - 500
140 + 30 = ☐

Subtraction from 1 – 100
73 – 62 = ☐

Addition from 1 to 100 with a missing addend
26 + ☐ = 50

All multiplication and division facts to 10 x 10
30 ÷ 6 = ☐

Time conversions
How many hours in 180 minutes?

Length conversions
24 cm = ☐ m

Level 6

Operations with decimals
0.7 x 0.5 = ☐

Calculations using brackets
(8 + 3) x 2 = ☐

Simple percentages
50% of 80 = ☐

Converting mm, cm and m
766 cm = ☐ m

24-hour time
1:00 PM in 24 hour time is ☐ : 00

Timetable calculations
Trains departing at 11:50 AM and 7:50 PM are ☐ hours apart

Fractions and decimals
The denominator for 0.60 in simplified fraction form is ☐

Percentages and decimals
35% as a decimal is ☐

Terms in a sequence with decimals I
3.3, 2.5, 1.7, ☐

Terms in a sequence with whole numbers
9, 45, 225, ☐

Level 7

Sum, difference, product and quotient
Find the quotient of 25 and 5

Cubes
6^3 = ☐

Operations with integers
8 x (-9) = ☐

Volume and capacity conversions
591 mL = ☐ cm^3

Order of operations I
15 + 10 x 7 = ☐

The Cartesian Plane I
(3, 7) is in quadrant 1, 2, 3 or 4 of the Cartesian Plane?

Equivalent fractions
4/9 = 16/☐

Ratios
7:10 = ☐ : 50

Volume of rectangular prisms I
A rectangular prism is 3 cm by 5 cm by 4 cm.
Volume = ☐ cm^3

Area of plane shapes I
A square has side lengths of 9 mm.
Volume = ☐ mm^3

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Algebraic substitution I
Find $x - y + z$ if $x = 3$, $y = 2$ and $z = 2$

Order of operations II
$-3 - (-4 + 5) =$ ☐

Terms in a sequence with decimals II
4.2, ☐, 4.4, 4.5, 4.6

Area and volume conversions
☐ $cm^3 = 1000\ mm^3$

Factoring I
$25x - 55 = 5(5x - ?)$

Volume of rectangular prisms II
A right-prism 8cm high has a cross-section area of 20cm. Volume = ☐ cm^3

Level 9

Algebraic substitution II
Calculate $-5x + y$ if $x = 8$ and $y = 1$

Factoring II
$40x + 12z =$ ☐ $(10x + 3z)$

Order of operations III
$-10 - 6 \times 2 \div 6 =$ ☐

Expanding brackets I
$2(9x + 4) =$ ☐ $x + 8$

Midpoint between two points
The midpoint between $(-8, -6)$ and $(2, 16)$ is $(-3,$ ☐ $)$

Pythagorean triads
The hypotenuse of a right triangle with sides 6 and 8 is ☐

The Cartesian plane II
The point $(10, -10)$ moved 3 units right and 8 units down is now at $(13,$ ☐ $)$

Chance outcomes
A 6-sided die has ☐ different possible outcomes

Simplifying algebra
$m \times m \times m = m^n \quad n =$ ☐

Scientific notation
$0.000642 = 6.42 \times 10^a$, $a =$ ☐

Level 10

Logarithms
$\log(40) - \log(5) = \log$ ☐ $)$

Solving equations
Solve for y if: $-11y = 55$, $y =$ ☐

Algebraic substitution III
Calculate $-2x + 8y$ if $x = 3$ and $y = -1$ ☐

Expanding brackets II
$-9n(-2n - 11) =$ ☐ $n^2 + 99n$

Expanding quadratics
$(b - 6)(b + 12) = b^2 +$ ☐ $b - 72$

Factoring quadratics
$a^2 + 12a + 36 = (a +$ ☐ $)^2$

Surface area of cubes
A cube with a surface area of 216 cm^2 has sides of length ☐ cm

Percentage probability
75% probability = ☐ in 4 chance