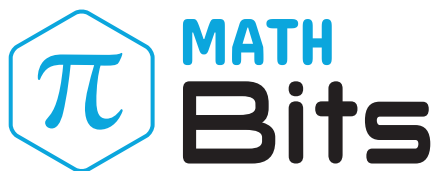






















Math Bits 2025 - 2026


















	1	Engage	What Are Numbers?
	2	Explain	Numeration Systems
	3	Explain	Natural Numbers
	4	Explore	Exploring the Properties of Powers
	5	Explain	Exponents
	6	Explore	Tinkering with Operations
	7	Explain	Order of Operations
	8	Explore	Factors and Divisors
	9	Explain	Divisibility
	10	Evaluate	Evaluation (1)
	11	Evaluate	Evaluation (2)

ADDITIONAL LESSONS








	Explore	The Need for Counting
	Explore	Do We Know How to Count?
	Explore	The Divisor Game
	Explore	Finding Number 24
	Explore	Factorizations
	Elaborate	Programs with Natural Numbers
	Evaluate	Evaluation (3)

*Draft subject to change.










 1	Engage	Part of a Whole
 2	Explore	Making Measurements
 3	Explain	Measuring with Fractions
 4	Explore	Comparing and Adding Measurements
 5	Explain	Comparing Fractions
 6	Explain	Adding and Subtracting Fractions
 7	Explore	Multiplying and Dividing Measurements
 8	Explain	Multiplying and Dividing Fractions
 9	Evaluate	Evaluation – Fractions
 10	Explore	Fair Sharing with Decimals
 11	Explain	Fractions and Decimal Numbers
 12	Explain	Decimal Numbers
 13	Evaluate	Evaluation – Fractions and Decimals

ADDITIONAL LESSONS



	Explore	More Measurements
	Explore	Fractional Areas and Lengths
	Explore	Fraction Division
	Explore	Pizza Shares
	Explore	Particular Distributions
	Elaborate	Fractions in Ancient Egypt
	Evaluate	Evaluation – Fractions and Decimals (2)

*Draft subject to change.












 1	Engage	Numbers with Two Meanings
 2	Explore	Positive and Negative Points
 3	Explain	Integers
 4	Explore	Dilations and Inversions
 5	Explain	Operations with Integers
 6	Evaluate	Evaluation (1)
 7	Evaluate	Evaluation (2)

ADDITIONAL LESSONS





	Elaborate	Integers Project
	Evaluate	Evaluation (3)

*Draft subject to change.















 1	Engage	Doing Math with Letters
 2	Explore	What If Numbers Aren't Enough?
 3	Explain	Algebraic Expressions
 4	Explore	Multiplying Algebraic Expressions
 5	Explain	Operations with Algebraic Expressions
 6	Explore	Pans of a Balance
 7	Explain	Equations and Inequalities
 8	Evaluate	Evaluation (1)
 9	Evaluate	Evaluation (2)

ADDITIONAL LESSONS







	Explore	Looking for Patterns
	Explore	Using Algebra to Understand and Solve Problems
	Elaborate	Math Magic
	Evaluate	Evaluation (3)

*Draft subject to change.













 1	Engage	Point by Point
 2	Explore	Lines That Intersect... or Don't
 3	Explain	Perpendicular and Parallel Lines
 4	Explain	Locus, Perpendicular Bisector, and Angle Bisector
 5	Evaluate	Evaluation – Geometry (1)
 6	Explore	Possible Triangles
 7	Explain	Classifying Polygons
 8	Explore	Rectangles Everywhere
 9	Explain	Areas of Polygons
 10	Explore	What Does π Mean?
 11	Explain	Circumference and Circle
 12	Evaluate	Evaluation – Geometry (2)

ADDITIONAL LESSONS






	Explore	Nature Park Shelters
	Explore	A Gas Station In Between Roads
	Explore	Constructing Triangles
	Explore	Circles and Squares
	Elaborate	Geometry and Urban Planning
	Evaluate	Evaluation – Geometry (3)

*Draft subject to change.














 1	Engage	A Question of Proportionality
 2	Explore	Directly Proportional Quantities
 3	Explain	Quantities and the Concept of Ratio
 4	Explain	Direct Proportionality
 5	Explore	Out of a Hundred
 6	Explain	Percents
 7	Evaluate	Evaluation – Direct Proportionality
 8	Explore	Beyond Direct Proportionality
 9	Explain	Other Forms of Proportionality
 10	Evaluate	Evaluation – Proportionality

ADDITIONAL LESSONS




	Explore	Ratios Between Quantities
	Explore	More Situations With Percents
	Explore	A Scale Model of the Solar System
	Evaluate	Evaluation – Direct Proportionality (2)
	Evaluate	Evaluation – Direct Proportionality (3)

*Draft subject to change.














	1	Engage	As a Function of What?
	2	Explore	Drone Models
	3	Explain	Axes, Points, and Graphs
	4	Explore	Biologists in the Amazon
	5	Explain	Representing Relationships Between Variables
	6	Explain	Concept of a Function
	7	Explore	Orange Sodas
	8	Explore	Bike Rentals
	9	Explain	Algebraic Expression of a Function
	10	Evaluate	Evaluation – Functions (1)
	11	Evaluate	Evaluation – Functions (2)

ADDITIONAL LESSONS







	Explore	From Words to Graphs
	Explore	From a Drawing to a Graph
	Elaborate	A New Temperature Scale

*Draft subject to change.













 1	Engage	Earthquakes
 2	Explore	Algebra and Rational Amounts
 3	Explain	Rational Numbers
 4	Explain	Algebraic Expressions with Rational Numbers
 5	Explore	Algebra for Problem Solving
 6	Explain	Equations and Inequalities
 7	Explore	When One Equation Isn't Enough
 8	Explain	Systems of Equations
 9	Explain	Introduction to Quadratic Equations
 10	Evaluate	Evaluation – Rational Numbers and Algebra (1)
 11	Evaluate	Evaluation – Rational Numbers and Algebra (2)

ADDITIONAL LESSONS






	Explore	Signed Fractions and Decimals
	Explore	Algebraic Fractions
	Explore	More Algebra Problems
	Explore	Combining Equations
	Explore	Solving Systems by Graphing
	Elaborate	Where Does the Earthquake Start?

*Draft subject to change.











	1	Engage	The Power of Triangles
	2	Explore	Expanding a Puzzle
	3	Explain	Similarity and Thales Theorem
	4	Explore	Squares, Triangles, and a Famous Theorem
	5	Explain	The Pythagorean Theorem
	6	Evaluate	Evaluation –Geometry in the Plane
	7	Explore	From Plane Tessellations to Regular Polyhedra
	8	Explain	Euclidean Geometry in Space
	9	Explain	Volume
	10	Evaluate	Evaluation – Geometry in the Plane and in Space

ADDITIONAL LESSONS





	Explore	A Smaller Mural
	Explore	Are These Triangles Similar?
	Explore	Measuring Inaccessible Heights
	Explore	Tiling the Plane
	Elaborate	A Scale Model of Our High School

*Draft subject to change.














 1	Engage	It's Likely That...
 2	Explore	Heads or Tails?
 3	Explain	Random Phenomena
 4	Explain	Random Experiments and Laplace's Rule
 5	Explore	Roulette wheels and Pins
 6	Explain	Frequential Probability
 7	Evaluate	Evaluation (1)
 8	Evaluate	Evaluation (2)

ADDITIONAL LESSONS

	Explore	Crossing the Gorge
	Explore	Homemade Dice
	Elaborate	Playing With Dice
	Evaluate	Evaluation (3)

*Draft subject to change.
















 1	Engage	A Question of Statistics
 2	Explore	The SALMO Project: Data Collection
 3	Explain	Populations, Samples, and Statistical Variables
 4	Explore	The SALMO Project: Data Organization
 5	Explain	Frequency Tables and Graphs
 6	Explore	The SALMO Project: Data Summary
 7	Explain	Measures of Central Tendency
 8	Explore	The SALMO Project: Statistical Dispersion
 9	Explain	Measures of Dispersion
 10	Evaluate	Evaluation (1)
 11	Evaluate	Evaluation (2)

ADDITIONAL LESSONS




	Elaborate	A Thorough Statistical Study
	Evaluate	Evaluation (3)

*Draft subject to change.













 1	Engage	Number Mysteries
 2	Explore	Predicting Decimal Representations
 3	Explain	Rational Numbers
 4	Explore	Beyond Rational Numbers
 5	Explain	Irrational Numbers
 6	Explore	Operations With Radicals
 7	Explain	Square Roots
 8	Explain	Roots of Any Order
 9	Explain	The Set of Real Numbers
 10	Explain	Measurements, Approximations, and Errors
 11	Explore	Large and Small Numbers
 12	Explain	Scientific Notation
 13	Evaluate	Evaluation – Real Numbers (1)
 14	Evaluate	Evaluation – Real Numbers (2)

ADDITIONAL LESSONS




	Explore	A Fraction for Any Decimal
	Explore	Number Sets
	Elaborate	Art in Real Numbers

*Draft subject to change.















 1	Engage	The Spread of a Pandemic
 2	Explore	Exploring Sequences
 3	Explain	Number Sequences
 4	Explore	Bacteria That Duplicate
 5	Explain	Algebraic Representation of a Sequence
 6	Explain	Interest
 7	Explore	Adding Up Terms
 8	Explain	Sums of Terms of a Sequence
 9	Evaluate	Evaluation – Sequences and Progressions (1)
 10	Evaluate	Evaluation – Sequences and Progressions (2)

ADDITIONAL LESSONS


	Explore	Representing Sequences
	Explore	Adding Geometric Progressions
	Elaborate	<i>Homo Economicus</i>

*Draft subject to change.












 1	Engage	Impossible Equations?
 2	Explore	Multiplying Without Multiplying
 3	Explain	Polynomials
 4	Explain	Factoring and Polynomial Division
 5	Explore	Quadratic Functions à La Carte
 6	Explore	Solving Quadratic Equations
 7	Explain	Quadratic Functions
 8	Explain	Quadratic Equations
 9	Explain	Linear and Nonlinear Equations
 10	Explain	Inequalities
 11	Evaluate	Evaluation – Polynomials and Quadratic Functions (1)
 12	Evaluate	Evaluation – Polynomials and Quadratic Functions (2)

ADDITIONAL LESSONS





	Explore	Different Kinds of Division
	Elaborate	H1dd3N M355ag3s

*Draft subject to change.













 1	Engage	Infinite Art
 2	Explore	Pieces in Motion
 3	Explain	Translations and Vectors
 4	Explain	Rotations and Reflections
 5	Explain	Invariance and Symmetry
 6	Explore	Tiling the Plane
 7	Explain	Repeated Figures
 8	Evaluate	Evaluation – Geometric Transformations (1)
 9	Evaluate	Evaluation – Geometric Transformations (2)

ADDITIONAL LESSONS



	Explore	Follow the Arrow
	Explore	Axes and Centers
	Explore	Moving Pieces in Spac
	Elaborate	A Commemorative Mosaic

*Draft subject to change.










 1	Engage	Correlation Does Not Imply Causation
 2	Explore	Last Relay Team Swimmer
 3	Explain	Measures of Dispersion
 4	Explain	Robust Statistics
 5	Explain	Sample and Population
 6	Explore	Measurements for Clothing
 7	Explore	Designing Clothes
 8	Explain	Bivariate Statistics
 9	Evaluate	Evaluation – Dispersion and Bivariate Statistics (1)
 10	Evaluate	Evaluation – Dispersion and Bivariate Statistics (2)

ADDITIONAL LESSONS



	Explore	Soccer Wages
	Elaborate	A Statistical Study in Two Variables

*Draft subject to change.



 1	Engage	From Angles to Distances
 2	Explore	Similarity with a Single Piece of Data?
 3	Explain	Similarity and Trigonometric Ratios
 4	Explore	A Point Moving on a Circle
 5	Explain	The Unit Circle
 6	Evaluate	Evaluation - Trigonometry (1)
 7	Evaluate	Evaluation - Trigonometry (2)

ADDITIONAL LESSONS

	Explore	Indirect Measurements
	Elaborate	Give Me an Angle, and I'll Measure Mountains

*Draft subject to change.