KINDERGARTEN – 8TH GRADE

Mathematics program of study:
Indiana Standards for Mathematics

Sumdog Scheme of Learning Kindergarten – Grade 8

Use our handy scheme of learning to help with your planning, tracking and monitoring

How to use the Sumdog Scheme of Learning

When students first login to Sumdog, they will complete a diagnostic test, this will place them at the correct starting point in our scheme of learning.

Want to re-set the starting point or choose your own? No problem.

Our advanced learning engine will adapt the questions students receive.

Differentiation is taken care of (in a subtle way).

Questions cover reviews of past content and new, progressive learning following our scheme.

Children love our games.

They are rewarded with coins for their house, pet and garden.

Teacher Tools

Want to focus learning?

You can easily select the appropriate standard for a challenge for your class.

Data and reporting available making **tracking student progress** and assessment **moderation** a breeze!

Choose and set topics for homework, easily.

The best bit is we do the marking!

Keep your class motivated by creating competitions or why not enter a **regional or national contest** and see if you can win our trophy!

Our ready-made assessment library for Grades K-8 has an assessment for each mathematics domain, completely mapped to the Common Core State Standards.

Or easily make your own!

Growth Mindset

With common misconceptions identified, use our questions as a teaching point, learning from mistakes!

Kindergarten

Subtract with Doubles Facts **K.CA.1_1**	Add with 3 **K.CA.2_4**	Skip Count **K.CA.5_2**	Count in 1s **K.NS.3_1**
Take Away with Objects **K.CA.1_2**	Add with 4 **K.CA.2_5**	3D Shapes **K.DA.1_1**	One More/One Less **K.NS.3_2**
Add and Subtract Word Problems **K.CA.2_1**	Add with 5 or 6 **K.CA.2_6**	2D Shapes **K.G.2_1**	Count to 10 **K.NS.5_1**
Subtract from 3, 4, 5, 6, or 7 **K.CA.2_10**	Add with 7, 8, or 9 **K.CA.2_7**	Compare Measures **K.M.1_1**	Count to 25 **K.NS.5_2**
Subtract from 8 or 9 **K.CA.2_11**	Subtract from 10 **K.CA.2_8**	Count in 10s **K.NS.1_1**	Count to 5 **K.NS.5_3**
Add with 1 **K.CA.2_2**	Subtract from 11 or 12 **K.CA.2_9**	Count in 1s **K.NS.1_2**	Compare and Order Sets **K.NS.7_1**
Add with 2 **K.CA.2_3**	Shape Patterns **K.CA.5_1**	Numbers in Words **K.NS.2_1**	Compare and Order Numbers **K.NS.8_1**

Strands (Kindergarten – Grade 5):

- Data Analysis (DA)
- Measurement (M)
- Computation & Algebraic Thinking (CA)
- Number Sense (NS)
- Algebraic Thinking (AT)
- Computation
- Geomety (G)

Highlight and annotate me

HINT: You can focus learners easily on any skill to match your classroom lesson

Grade 1

Add and Subtract with Unknowns
1.CA.1_1

Add Three or Four 1-Digit Numbers
1.CA.1_2

Inverse and Related Questions
1.CA.1_3

Addition and Subtraction Word Problems
1.CA.2_1

Subtract from 13 or 14
1.CA.2_2

Subtract from 15, 16, 17, or 18
1.CA.2_3

Add and Subtract with Unknowns
1.CA.5_1

Add Three or Four Numbers within 100
1.CA.5_2

Add with 2-Digit Numbers
1.CA.5_3

Add with Multiples of 10
1.CA.5_4

Column Addition
1.CA.5_5

Inverse and Related Questions
1.CA.5_6

Inverse and Related Questions
1.CA.6_1

Number Patterns
1.CA.7_1

Picture Graphs
1.DA.1_1

Tables
1.DA.1_2

Fractions
1.G.4_1

Halves
1.M.1_1

Time
1.M.2_1

Add and Subtract Money
1.M.3_1

Coin Collections
1.M.3_2

Place Value
1.NS.2_1

Positions
1.NS.3_1

Compare Numbers
1.NS.4_1

Order Numbers
1.NS.4_2

Ten Less
1.NS.5_1

Ten More
1.NS.5_2

Number Forms
1.NS.6_1

Place Value
1.NS.6_2

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Grade 2

Add Single-Digit Numbers
2.CA.1_1

Column Addition and Subtraction
2.CA.1_2

Subtract 1-Digit Numbers from 2-Digit Numbers
2.CA.1_3

Subtract 2-Digit Numbers
2.CA.1_4

Subtract Multiples of 10 within 100
2.CA.1_5

Money
2.CA.2_1

Word Problems
2.CA.2_2

Add and Subtract Lengths
2.CA.3_1

Add and Subtract with Unknowns
2.CA.4_1

Related Questions
2.CA.4_10

Subtract 1-Digit Numbers within 1,000
2.CA.4_11

Subtract Multiples of 10 within 1,000
2.CA.4_12

Subtract Multiples of 10 within 100
2.CA.4_13

Subtract Multiples of 100
2.CA.4_14

Subtract with 2- and 3-Digit Numbers
2.CA.4_15

Add with 1-Digit Numbers
2.CA.4_2

Add with 2- and 3-Digit Numbers
2.CA.4_3

Add with Multiples of 10
2.CA.4_4

Add with Multiples of 100
2.CA.4_5

Column Addition
2.CA.4_6

Column Subtraction
2.CA.4_7

More / Less
2.CA.4_8

Place Value
2.CA.4_9

Arrays
2.CA.5_1

Bar Graphs
2.DA.1_1

Dot Plots
2.DA.1_2

Pictographs
2.DA.1_3

Scaled Graphs
2.DA.1_4

Tables
2.DA.1_5

2D Shapes
2.G.1_1

3D Shapes
2.G.1_2

Fractions
2.G.5_1

Compare Measures
2.M.1_1

Estimate Measures
2.M.2_1

Estimate Measures
2.M.4_1

Clocks
2.M.5_1

Time Sequences
2.M.5_2

Convert Times
2.M.6_1

Money
2.M.7_1

Count in 100s
2.NS.1_1

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Count in 1s, 2s, 5s, and 10s **2.NS.1_2** ■	Numbers in Words **2.NS.2_2** ■	Forms of Numbers **2.NS.6_1** ■	Compare and Order **2.NS.7_1** ■
Forms of Numbers **2.NS.2_1** ■	Estimate on a Number Line **2.NS.3_1** ■	Place Value **2.NS.6_2** ■	

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Grade 3

Multiplication & Division Word Problems
3.AT.2_1

Addition & Subtraction Word Problems
3.AT.3_1

Divide 2- or 3-Digit Numbers
3.AT.5_1

Model Division with 2- or 3-Digit Numbers
3.AT.5_2

Unknown Numbers in Division
3.AT.5_3

Unknown Numbers in Multiplication
3.AT.5_4

Patterns
3.AT.6_1

Addition & Subtraction Word Problems
3.C.1_1

Describe Arrays
3.C.2_1

Model Multiplication
3.C.2_2

Multiply with Arrays
3.C.2_3

Divide 2- or 3-Digit Numbers
3.C.5_1

Skip Count
3.C.5_10

Divide 4 to 10
3.C.5_2

Identify the Correct Equation
3.C.5_3

Inverses
3.C.5_4

Multiplication & Division Word Problems
3.C.5_5

Multiply by 5 through 5
3.C.5_6

Multiply by 5, 6 to 10
3.C.5_7

Multiply Three Numbers
3.C.5_8

Multiplication and Division
3.C.5_9

Divide 12 to 20
3.C.6_1

Multiply by 10 through 6
3.C.6_10

Multiply by 10, 7 to 10
3.C.6_11

Multiply by 2 through 5
3.C.6_12

Multiply by 2, 6 to 10
3.C.6_13

Multiply by 3 through 6
3.C.6_14

Multiply by 3, 7 to 9
3.C.6_15

Multiply by 4 through 6
3.C.6_16

Multiply by 4, 7 to 9
3.C.6_17

Multiply by 5 through 5
3.C.6_18

Multiply by 5, 6 to 10
3.C.6_19

Divide 21 to 30
3.C.6_2

Multiply by 6
3.C.6_20

Multiply by 7 or 9
3.C.6_21

Multiply by 8
3.C.6_22

Multiplication and Division
3.C.6_23

Divide 32 to 40
3.C.6_3

Divide 4 to 10
3.C.6_4

Divide 42 to 60
3.C.6_5

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- Algebraic Thinking (AT)
- Measurement (M)
- Computation
- Computation & Algebraic Thinking (CA)
- Geomety (G)
- Number Sense (NS)

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Divide 63 to 100
3.C.6_6

Division Tables: 2, 5, 10, 3
3.C.6_7

Division Tables: 4, 8, 6, 9, 7
3.C.6_8

Doubling and Halving
3.C.6_9

Tables
3.DA.1_1

Geometry
3.G.1_1

Geometry
3.G.2_1

Geometry
3.G.3_1

Multiples of Unit Fractions
3.G.4_1

Add and Subtract Units of Measure
3.M.1_1

Add and Subtract Units of Measure
3.M.1_2

Compare Measures
3.M.1_3

Estimate Measures
3.M.1_4

Compare Measures
3.M.2_1

Clocks
3.M.3_1

Durations
3.M.3_2

Schedules
3.M.3_3

Money
3.M.4_1

Area
3.M.5_2

Area
3.M.6_3

Model Multiplication
3.M.6_4

Perimeter
3.M.7_1

Perimeter – All Sides Given
3.M.7_2

Perimeter of Composite Figures
3.M.7_3

Forms of Numbers
3.NS.1_1

Compare and Order Numbers
3.NS.2_1

Compare and Order Fractions
3.NS.3_1

Identify Fractions
3.NS.3_2

Multiples of Unit Fractions
3.NS.3_3

Identify Fractions
3.NS.4_1

Identify Fractions
3.NS.5_1

Equivalent Fractions
3.NS.7_1

Compare and Order Fractions
3.NS.8_1

Rounding to Estimate
3.NS.9_1

Strands (Kindergarten – Grade 5):

- Data Analysis (DA)
- Measurement (M)
- Computation & Algebraic Thinking (CA)
- Number Sense (NS)
- Algebraic Thinking (AT)
- Computation
- Geomety (G)

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Grade 4

Addition Word Problems
4.AT.1_1

Dot Plots
4.AT.4_1

Add and Subtract Fractions with Like Denominators
4.AT.5_1

Add within 10,000
4.C.1_1

Column Addition
4.C.1_2

Column Subtraction
4.C.1_3

Multi-Step Problems
4.C.1_4

Subtract within 10,000
4.C.1_5

Tre/False Addition & Subtraction Equations
4.C.1_6

Multiply With 2-Digit Numbers
4.C.2_1

Multiply With 3-Digit Numbers
4.C.2_2

Multiply with 4-Digit Numbers
4.C.2_3

Multiply with Multiples of Powers of 10
4.C.2_4

Divide by 1-Digit Numbers
4.C.3_1

Divide with Multi-Digit Numbers
4.C.3_2

Number Patterns
4.C.3_3

Multi-Step Problems
4.C.4_1

Multiply With 2-Digit Numbers
4.C.4_2

Multiplying Three Numbers
4.C.4_3

Add & Subtract Fractions Greater Than 1
4.C.5_1

Fractions with Like Denominators
4.C.5_2

Fractions with Related Denominators
4.C.5_3

Add and Subtract Tenths
4.C.5_4

Fraction Word Problems
4.C.5_5

Inverse Relationships with Fractions
4.C.5_6

Unit Fraction Multiplication
4.C.5_7

Add and Subtract Fractions Greater Than 1
4.C.6_1

24-Hour Timetables
4.DA.1_1

Histograms
4.DA.1_2

Line Graphs
4.DA.1_3

Line Plots
4.DA.1_4

Timetables
4.DA.1_5

Circle Graphs
4.DA.3_1

More Than One Line of Symmetry
4.G.2_1

One Line of Symmetry
4.G.2_2

Angles
4.G.3_1

Lines, Line Segments, and Rays
4.G.3_2

Angles
4.G.4_1

Strands (Kindergarten – Grade 5):

- Data Analysis (DA)
- Algebraic Thinking (AT)
- Measurement (M)
- Computation
- Computation & Algebraic Thinking (CA)
- Geomety (G)
- Number Sense (NS)

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Lines, Line Segments, and Rays **4.G.4_2**	Elapsed Time – Clocks **4.M.3_1**	Equivalent Fractions **4.NS.4_1**	Factors **4.NS.8_1**
Compare Measures **4.M.2_1**	Elapsed Time – Timetables **4.M.3_2**	Compare and Order Fractions **4.NS.5_1**	Multiplying Three Numbers **4.NS.8_2**
Convert Customary Mixed Units **4.M.2_2**	Perimeter and Area **4.M.4_1**	Compare and Order Fractions **4.NS.6_1**	Rounding to Estimate **4.NS.9_1**
Convert Metric Mixed Units **4.M.2_3**	Perimeter and Area of Composite Shapes **4.M.4_2**	Read Decimal Numbers **4.NS.6_2**	2 Times table (fluent)
Convert Whole-Number Measures **4.M.2_4**	Forms of Numbers **4.NS.1_1**	Compare Decimal Numbers **4.NS.7_1**	3 Times table (fluent)
Measurement Tables **4.M.2_5**	Compare and Order Numbers **4.NS.2_1**	Read Decimal Numbers **4.NS.7_2**	4 Times table (fluent)
			5 Times table (fluent)
			10 Times table (fluent)

Strands (Kindergarten – Grade 5):

- Data Analysis (DA)
- Measurement (M)
- Computation & Algebraic Thinking (CA)
- Number Sense (NS)
- Algebraic Thinking (AT)
- Computation
- Geomety (G)

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Solve Division Word Problems
5.AT.1_1

Solve Fraction Word Problems
5.AT.2_1

Solve Fraction Word Problems
5.AT.3_1

Divide with Unit Fractions
5.AT.4_1

Solve Addition and Subtraction Decimal Word Problems
5.AT.5_1

Graph in First Quadrant
5.AT.6_1

Graph in Four Quadrants
5.AT.7_1

Multiply 2-Digit Numbers by 2-Digit Numbers
5.C.1_1

Numerical Patterns
5.C.1_2

Divide by 10, 25, 100, or 2-Digit Numbers
5.C.2_1

Multiply Fractions
5.C.3_1

Add and Subtract Fractions
5.C.4_1

Find a Fraction of a Number
5.C.5_1

Multiply Fractions
5.C.5_2

Divide with Unit Fractions
5.C.7_1

Add and Subtract Tenths
5.C.8_1

Add and Subtract with Two or Three Decimal Places
5.C.8_2

Multiply Decimals
5.C.8_3

Expressions and Equations
5.C.9_1

Properties of Numbers
5.C.9_2

Line Graphs
5.DA.1_1

Measures of Centre
5.DA.2_1

Parts of a Circle
5.G.1_1

Classify Triangles
5.G.2_1

Convert Time
5.M.1_1

Customary Measures of Length
5.M.1_2

Metric Measures of Length
5.M.1_3

Area of Triangles and Quadrilaterals
5.M.3_1

Perimeter and Area Problems
5.M.3_2

Perimeter of Quadrilaterals
5.M.3_3

Find Volume Using Area of Base and Height
5.M.4_1

Volume in Cubic Units
5.M.4_2

Compare Volumes
5.M.5_1

Find Volume Using Area of Base and Height
5.M.5_2

Find Volume Using Three Dimensions
5.M.5_3

Volume Word Problems
5.M.5_4

Volume of Composite Figures
5.M.6_1

Order Decimal Numbers
5.NS.1_1

Strands (Kindergarten – Grade 5):

- Data Analysis (DA)
- Algebraic Thinking (AT)
- Measurement (M)
- Computation
- Computation & Algebraic Thinking (CA)
- Geomety (G)
- Number Sense (NS)

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Interpret Fractions
5.NS.2_1

Place Value to 10,000,000
5.NS.3_1

Multiply or Divide by a Power of 10
5.NS.4_1

Numerical Patterns
5.NS.4_2

Round Decimals
5.NS.5_1

6 Times table (fluent)

7 Times table (fluent)

8 Times table (fluent)

9 Times table (fluent)

11 Times table (fluent)

12 Times table (fluent)

Strands (Kindergarten – Grade 5):

- Data Analysis (DA)
- Algebraic Thinking (AT)
- Measurement (M)
- Computation
- Computation & Algebraic Thinking (CA)
- Geomety (G)
- Number Sense (NS)

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Numerical expressions involving whole-numbers
6.EE.A.1

Identify parts of an expression
6.EE.A.2.b

Write, read, and evaluate expressions
6.EE.A.2.c

Apply the properties of operations
6.EE.A.3

Identify when two expressions are equivalent
6.EE.A.4

Understand solving an equation or inequality
6.EE.B.5

Use variables to represent numbers
6.EE.B.6

Solve problems by writing equations
6.EE.B.7

Write an inequality of the form to represent a constraint or condition
6.EE.B.8

Use variables to represent two quantities in a real-world problem
6.EE.C.9

Find the area of right triangles, other triangles
6.G.A.1

Find the volume of a right rectangular prism with fractional edge lengths
6.G.A.2

Draw polygons in the coordinate plane given coordinates for the vertices
6.G.A.3

Part 1 – Represent three-dimensional figures using nets made up of rectangles and triangles
6.G.A.4

Part 2 – Represent three-dimensional figures using nets made up of rectangles and triangles
6.G.A.4

Interpret and compute quotients of fractions
6.NS.A.1

Fluently divide multi-digit numbers using the standard algorithm.
6.NS.B.2

Fluently add, subtract, multiply, and divide multi-digit decimals
6.NS.B.3

Find the greatest common factor of two whole numbers less than or equal to 100
6.NS.B.4

Understand that positive and negative number are used together to describe quantities
6.NS.C.5

Recognize opposite signs of numbers as indicating locations on the number line
6.NS.C.6.a

Understand signs of numbers in quadrants of the coordinate plane
6.NS.C.6.b

Understand a rational number as a point on the number line.
6.NS.C.6.c

Interpret statements of inequality about the relative position of two numbers on
6.NS.C.7.a

Understand ordering and absolute value of rational numbers.
6.NS.C.7.c

Understand the concept of a ratio
6.RP.A.1

Understand the concept of a unit rate
6.RP.A.2

Strands (Grade 6 – 8):
- Expressions & Equations (EE)
- The Number System (NS)
- Ratios & Proportional Relationships (RP)
- Geometry (G)
- Statistics & Probability (SP)
- Functions (F)

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Make tables of equivalent ratios
6.RP.A.3.a

Solve unit rate problems including those involving unit pricing and constant speed.
6.RP.A.3.b

Part 2 – Use ratio and rate reasoning to solve real-world and mathematical problems
6.RP.A.3.c

Part 2 – Use ratio and rate reasoning to solve real-world and mathematical problems
6.RP.A.3.c

Use ratio and rate reasoning to solve real-world and mathematical problems
6.RP.A.3.d

Recognize a statistical question
6.SP.A.1

Recognize that a measure of centre for a numerical data set
6.SP.A.3

Display numerical data in plots on a number line
6.SP.B.4

Part 1 – Reporting the number of observations.
6.SP.B.5.A

Part 2 – Reporting the number of observations.
6.SP.B.5.A

Describing the nature of the attribute under investigation
6.SP.B.5.B

Part 1 – Summarize numerical data sets in relation to their context
6.SP.B.5.c

Part 2 – Summarize numerical data sets in relation to their context
6.SP.B.5.c

Part 3 – Summarize numerical data sets in relation to their context
6.SP.B.5.c

Strands (Grade 6 – 8):

- Expressions & Equations (EE)
- The Number System (NS)
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Apply properties of operations
7.EE.A.1

Solve mathematical problems posed with positive and negative rational numbers
7.EE.B.3

Solve word problems leading to equations of the form px + q = r and p(x + q) = r
7.EE.B.4.a

Solve word problems leading to inequalities of the form px + q > r or px + q < r
7.EE.B.4.b

Describe the two-dimensional figures that result from slicing three-dimensional figures
7.G.A.3

Know the formulas for the area and circumference of a circle
7.G.B.4

Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step
7.G.B.5

Part 1 – Solve real-world and mathematical problems of two- and three-dimensional objects
7.G.B.6

Part 2 – Solve real-world and mathematical problems of two- and three-dimensional objects
7.G.B.6

Part 3 – Solve real-world and mathematical problems of two- and three-dimensional objects
7.G.B.6

Part 4 – Solve real-world and mathematical problems of two- and three-dimensional objects
7.G.B.6

Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers
7.NS.A.1

Understand p + q as the number located a distance |q| from p, in the positive or negative direction depending on whether q is positive or negative.
7.NS.A.1.b

Understand subtraction of rational numbers as adding the additive inverse, p – q = p + (-q).
7.NS.A.1.c

Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers
7.NS.A.1.d

Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.
7.NS.A.2.c

Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.
7.NS.A.2.d

Part 1 – Solve real-world and mathematical problems involving the four operations with rational numbers.
7.NS.A.3

Part 2 – Solve real-world and mathematical problems involving the four operations with rational numbers.
7.NS.A.3

Strands (Grade 6 – 8):
- Expressions & Equations (EE)
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- Geometry (G)
- Statistics & Probability (SP)
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Part 3 – Solve real-world and mathematical problems involving the four operations with rational numbers.
7.NS.A.3 ■

Part 4 – Solve real-world and mathematical problems involving the four operations with rational numbers.
7.NS.A.3 ■

Recognize and represent proportional relationships between quantities.
7.RP.A.2.a ■

Recognize and represent proportional relationships between quantities.
7.RP.A.2.b ■

Recognize and represent proportional relationships between quantities.
7.RP.A.2.c ■

Part 1 – Use proportional relationships to solve multistep ratio and percent problems.
7.RP.A.3 ■

Part 2 – Use proportional relationships to solve multistep ratio and percent problems.
7.RP.A.3 ■

Understand that statistics can be used to gain information about a population by examining a sample of the population
7.SP.A.1 ■

Use data from a random sample to draw inferences about a population with an unknown characteristic of interest.
7.SP.A.2 ■

Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring.
7.SP.C.5 ■

Develop a probability model and use it to find probabilities of events.
7.SP.C.7.a ■

Understand that the probability of a compound event is the fraction of outcomes in the sample space for which the compound event occurs.
7.SP.C.8.A ■

Find probabilities of compound events using lists, tables, tree diagrams, and simulation.
7.SP.C.8. ■

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Part 1 – Know and apply the properties of integer exponents to generate equivalent numerical expressions.
8.EE.A.1

Part 2 – Know and apply the properties of integer exponents to generate equivalent numerical expressions.
8.EE.A.1

Use square root & cube root symbols to represent solutions to equations of the form x2 = p & x3 = p, where p is a positive rational number.
8.EE.A.2

Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities
8.EE.A.3

Part 1 – Perform operations with numbers expressed in scientific notation
8.EE.A.4.1

Part 2 – Perform operations with numbers expressed in scientific notation
8.EE.A.4.1

Graph proportional relationships, interpreting the unit rate as the slope of the graph.
8.EE.B.5

Use similar triangles to explain why the slope M is the same between any two distinct points on a non-vertical line in the coordinate plane
8.EE.B.6

Analyze and solve pairs of simultaneous linear equations.
8.EE.C.8.b

Understand that a function is a rule that assigns to each input exactly one output.
8.F.A.1

Compare properties of two functions each represented in a different way
8.F.A.2

Interpret the equation y = mx + b as defining a linear function
8.F.A.3

Construct a function to model a linear relationship between two quantities.
8.F.B.4

Describe qualitatively the functional relationship between two quantities by analyzing a graph
8.F.B.5

Verify experimentally the properties of rotations, reflections, and translations
8.G.A.1

Verify experimentally the properties of rotations, reflections, and translations
8.G.A.1.a

Verify experimentally the properties of rotations, reflections, and translations
8.G.A.1.b

Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations
8.G.A.2

Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.
8.G.A.3

Strands (Grade 6 – 8):
- Expressions & Equations (EE)
- The Number System (NS)
- Ratios & Proportional Relationships (RP)
- Geometry (G)
- Statistics & Probability (SP)
- Functions (F)

Highlight and annotate me

HINT: You can focus learners easily on any skill to match your classroom lesson

Use informal arguments to establish facts about the angle sum and exterior angle of triangles
8.G.A.5

Apply the Pythagorean Theorem to Determine unknown side lengths in right triangles in two and three dimensions.
8.G.B.7

Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.
8.G.B.8

Know the formulas for the volumes of cones, cylinders, and spheres
8.G.C.9

Know that numbers that are not rational are called irrational.
8.NS.A.1

Use rational approximations of irrational Numbers to compare the size of irrational numbers
8.NS.A.2

Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities.
8.SP.A.1

Know that straight lines are widely used to model relationships between two quantitative variables.
8.SP.A.2

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Sumdog Assessment Library

Using our assessment library, you can select a pre-made assessment that is matched to the Mathematics Standards from the Common Core State Standards.

We have an assessment for each unit and have mapped them to our progression framework. Our detailed report can easily be exported and printed to save for your tracking and monitoring evidence.

Grades K–5	Kindergarten	5 Assessments
	Grade 1	4 Assessments
	Grade 2	4 Assessments
	Grade 3	5 Assessments
	Grade 4	6 Assessments
	Grade 5	6 Assessments
Grades 6–8	Grade 6	8 Assessments
	Grade 7	6 Assessments
	Grade 8	7 Assessments

REMEMBER:
You can also create your own custom assessments on Sumdog. Selecting the standards you want to assess.

Teacher Planning Template

Class/Student Name: _____ **Grade:** _____

	SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
Teacher Notes				
Challenges				
Focus Skills				
Sumdog Assessments				
Sumdog Homework				

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