KINDERGARTEN – 8TH GRADE

Mathematics program of study:
Texas 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

Count Down by 1 **K.2.A_1** ■	Compare Object Sets **K.2.E_1** ■	Add with 2 **K.3.B_2** ■	Subtract from 8 or 9 **K.3.B_11** ■
Count Up by 1 **K.2.A_2** ■	One More/One Less **K.2.E_2** ■	Add with 3 **K.3.B_3** ■	Subtract with 1, 3, 4, or 5 **K.3.B_12** ■
Count Up or Down by 1 **K.2.A_3** ■	Count Up by 1 **K.2.F_1** ■	Add with 4 **K.3.B_4** ■	Doubles **K.3.C_1** ■
Ten Less **K.2.A_4** ■	Count Up or Down by 1 **K.2.F_2** ■	Add with 5 **K.3.B_5** ■	Subtract with 1, 3, 4, or 5 **K.3.C_2** ■
Numbers in Words **K.2.B_1** ■	One More/One Less **K.2.F_3** ■	Add with 6 or 7 **K.3.B_6** ■	2D and 3D Shapes **K.6.A_1** ■
Count Up to 10 Objects **K.2.C_1** ■	Compare Object Sets **K.2.G_1** ■	Add with 8 or 9 **K.3.B_7** ■	2D and 3D Shapes **K.6.B_1** ■
Count up to 25 Objects **K.2.C_2** ■	Compare Numbers **K.2.H_1** ■	Subtract from 10 **K.3.B_8** ■	2D and 3D Shapes **K.7.B_1** ■
Count Up to 5 Objects **K.2.C_3** ■	Order Numbers **K.2.H_2** ■	Subtract from 11 or 12 **K.3.B_9** ■	Compare Measures **K.7.B_2** ■
Numbers in Words **K.2.C_4** ■	Add with 1 **K.3.B_1** ■	Subtract from 6 or 7 **K.3.B_10** ■	

Strands (Kindergarten – Grade 5):

- ■ Numbers & Operations
- ■ Algebraic Reasoning
- ■ Mathematical Process Standards
- ■ Geometry & Measurement
- ■ Data Analysis

Highlight and annotate me

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

Grade 1

Estimate
1.1.C_1

Compare Numbers
1.2.E_1

Compare Numbers
1.2.E_2

Order Numbers
1.2.E_3

Compare Numbers
1.2.G_1

Add with Multiples of 10
1.3.A_1

Add to Next 10
1.3.C_1

Add Three or Four 1-Digit Numbers
1.3.D_1

Add Within 20
1.3.D_2

Questions that Give the Same Answer
1.3.D_3

Related and Inverse Questions
1.3.D_4

Subtract 1-Digit from 2-Digit Numbers
1.3.D_5

Subtract within 20
1.3.D_6

Subtract from 13 or 14
1.3.E_1

Subtract from 15, 16, 17, or 18
1.3.E_2

Making Change
1.4.B_1

Money Amounts within $1
1.4.C_1

Count in 1s
1.5.A_1

Skip Count
1.5.B_1

Ten More / Ten Less
1.5.C_1

Addition and Subtraction Word Problems
1.5.D_1

Tables
1.5.D_2

Add and Subtract with Unknowns
1.5.F_1

Subtract with Doubles
1.5.F_2

Add 1-Digit and 2-Digit Numbers
1.5.G_1

Add Three or Four 1-Digit Numbers
1.5.G_2

Add Three or Four Numbers within 100
1.5.G_3

Related and Inverse Questions
1.5.G_4

Subtract Two-Digit Numbers
1.5.G_5

Subtract with Multiples of Ten
1.5.G_6

Subtract with Multiples of Ten
1.5.G_6

2D Shapes
1.6.A_1

2D Shapes
1.6.D_1

3D Shapes
1.6.E_1

Fractions
1.6.G_1

Half
1.6.H_1

Length
1.7.D_1

Time to 1 Hour
1.7.E_1

Time to 15- or 5-Minute Accuracy
1.7.E_2

Time to the Half Hour
1.7.E_3

Picture Graphs
1.8.C_1

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Grade 2

Estimate Addition with 2-Step Questions
2.1.C_1

Bar Graphs
2.10.A_1

Scaled Graphs
2.10.B_1

Bar Graphs
2.10.C_1

Pictographs
2.10.C_2

Scaled Graphs
2.10.C_3

Forms of Numbers
2.2.B_1

Compare Numbers
2.2.D_1

Estimate Location on Number Line
2.2.E_1

Model Fractions
2.3.A_1

Turns as Multiples of 1/4s
2.3.A_2

Model Fractions
2.3.C_1

Add with 2-Digit Numbers
2.4.A_1

Add and Subtract Money
2.4.B_1

Add Four Numbers
2.4.B_2

Add with Multiples of 10
2.4.B_3

Related Questions
2.4.B_4

Subtract within 20
2.4.B_5

Column Subtraction
2.4.C_1

Add 1s
2.4.D_1

Add and Subtract with Unknowns
2.4.D_2

Add Multiples of 10
2.4.D_3

Add with 2- and 3-Digit Numbers, Part 1
2.4.D_4

Add with 2- and 3-Digit Numbers, Part 2
2.4.D_5

Related Questions
2.4.D_6

Subtract 1s
2.4.D_7

Subtract Multiples of 10
2.4.D_8

Subtract Multiples of 100
2.4.D_9

Add and Subtract Money
2.5.A_1

Values of Coins
2.5.A_2

Add and Subtract Money
2.5.B_1

Values of Coins
2.5.B_2

More Than / Less Than
2.7.B_1

Addition Word Problems
2.7.C_1

Polygons
2.8.C_1

Length
2.9.E_1

Area
2.9.F_1

Clocks
2.9.G_1

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Grade 3

Forms of Numbers
3.2.A_1

Compare and Order Numbers
3.2.D_1

Identify Fractions
3.3.A_1

Fractions on Number Lines
3.3.B_1

Unit Fractions
3.3.C_1

Add and Subtract Fractions
3.3.D_1

Unit Fractions
3.3.D_2

Equivalent Fractions
3.3.F_1

Equivalent Fractions
3.3.G_1

Compare and Order Fractions
3.3.H_1

Add 1s
3.4.A_1

Add and Subtract Multiples of 10
3.4.A_2

Add and Subtract Multiples of 100
3.4.A_3

Column Addition
3.4.A_4

Multi-Step Subtraction & Addition Problems
3.4.A_5

Subtract 1s
3.4.A_6

Round and Estimate Numbers
3.4.B_1

Arrays, Part 1
3.4.E_1

Arrays, Part 2
3.4.E_2

Multiply with 3-Digit Numbers
3.4.E_3

Skip Counting
3.4.E_4

Divide 12 to 20
3.4.F_1

Divide 21 to 30
3.4.F_2

Divide 32 to 40
3.4.F_3

Divide 4 to 10
3.4.F_4

Divide 42 to 50
3.4.F_5

Divide 54 to 70
3.4.F_6

Divide 72 to 100
3.4.F_7

Division Tables: 2, 5, 10, 3
3.4.F_8

Division Tables: 4, 8, 6, 9, 7
3.4.F_9

Given Product or Quotient
3.4.F_10

Inverse Relationships
3.4.F_11

Multiplication & Division Word Problems
3.4.F_12

Multiply 3 Factors
3.4.F_13

Multiply with 10 from 7 to 10
3.4.F_14

Multiply with 10 Up to 6
3.4.F_15

Multiply with 2 from 6 to 10
3.4.F_16

Multiply with 2 Up to 5
3.4.F_17

Multiply with 3 from 7 to 9
3.4.F_18

Multiply with 3 Up to 6
3.4.F_19

Multiply with 4 from 7 to 9
3.4.F_20

Multiply with 4 Up to 6
3.4.F_21

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Multiply with 5 from 6 to 10
3.4.F_22

Multiply with 5 Up to 5
3.4.F_23

Multiply with 6
3.4.F_24

Multiply with 7
3.4.F_25

Multiply with 8
3.4.F_26

Multiply with 9
3.4.F_27

Related Division Questions
3.4.F_28

Related Multiplication Questions
3.4.F_29

Multiply and Divide with 2-Digit Numbers
3.4.G_1

Multiply by Multiples of 10 and 100
3.4.G_2

Skip Counting
3.4.H_1

Given Product or Quotient
3.4.K_1

Multiplication and Division Word Problems
3.4.K_2

Multiplication Word Problems
3.4.K_3

Multiply and Divide with 2-Digit Numbers
3.4.K_4

Multiply with 6
3.4.K_5

Multiply with 7
3.4.K_6

Multiply with 9
3.4.K_7

Three Factors
3.4.K_8

Arrays, Part 1
3.5.B_1

Arrays, Part 2
3.5.B_2

Identify Unknown Number: Division
3.5.D_1

Identify Unknown Number: Multiplication
3.5.D_2

Equal Sides and Equal Angles
3.6.A_1

Quadrilaterals
3.6.A_2

Area of Rectangles
3.6.C_1

Thirds
3.6.E_1

Perimeter
3.7.B_1

Durations
3.7.C_1

Elapsed Time
3.7.C_2

Time Sequences
3.7.C_3

Timetables
3.7.C_4

Estimate Weight
3.7.D_1

Compare Measures
3.7.E_1

Dot Plots
3.8.A_1

Dot Plots
3.8.B_1

Tables
3.8.B_2

Strands (Kindergarten – Grade 5):

- Numbers & Operations
- Algebraic Reasoning
- Mathematical Process Standards
- Geometry & Measurement
- Data Analysis

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Grade 4

Add and Subtract Decimals
4.4.A_2

Add & Subtract Multi-Digit Whole Numbers
4.4.A_3

Add and Subtract with Unknowns
4.4.A_4

Column Addition and Subtraction
4.4.A_5

Multiply with Powers of 10
4.4.B_1

Model Multiplication with 2-Digit Numbers
4.4.C_1

Perfect Squares
4.4.C_2

Multiply with 3-Digit Numbers
4.4.D_1

Multiply with 4-Digit Numbers
4.4.D_2

Multiply with Powers of 10
4.4.D_3

Divide 2- & 3-Digit Numbers by 1-Digit Numbers
4.4.E_1

Divide 4-Digit Numbers by 1-Digit Numbers
4.4.E_2

Divide by 2- or 3-Digit Numbers
4.4.E_3

Place Value
4.2.A_1

Number Forms
4.2.B_1

Place Value
4.2.B_2

Compare and Order Whole Numbers
4.2.C_1

Integers
4.2.C_2

Round Whole Numbers
4.2.D_1

Compare and Order Decimal Numbers
4.2.F_1

Equivalent Decimals and Fractions
4.2.G_1

Equivalent Decimals and Fractions
4.2.H_1

Read Decimals
4.2.H_2

Multiply Unit Fractions
4.3.A_1

Equivalent Fractions
4.3.C_1

Compare and Order Fractions
4.3.D_1

Fraction Sequences
4.3.D_2

Add Fractions
4.3.E_1

Subtract Fractions
4.3.E_2

Add and Subtract Decimal Tenths
4.4.A_1

Divide Multi-Digit Numbers
4.4.E_4

Divide 4-Digit Numbers by 1-Digit Numbers
4.4.F_1

Divide by 2- or 3-Digit Numbers
4.4.F_2

Divide Multi-Digit Numbers
4.4.F_3

Round and Estimate
4.4.G_1

Divide by 10 or 100
4.4.H_1

Division Word Problems
4.4.H_2

Multi-Step Multiplication and Division
4.4.H_3

Strands (Kindergarten – Grade 5):

- Numbers & Operations
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- Geometry & Measurement
- Data Analysis

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Multiply and Divide with 11 or 12
4.4.H_4

Number Patterns
4.5.B_1

Volume
4.5.C_1

Area
4.5.D_1

Model Multiplication with 2-Digit Numbers
4.5.D_2

Perimeter of Rectilinear Shapes
4.5.D_3

Angles
4.6.A_1

Parallel and Perpendicular
4.6.A_2

More Than One Line of Symmetry
4.6.B_1

One Line of Symmetry
4.6.B_2

Angles
4.6.C_1

Angles in Polygons
4.6.C_2

Angles
4.7.E_1

Compare Measures
4.8.A_1

Add and Subtract Units of Measure
4.8.B_1

Convert Mixed Customary Units
4.8.B_2

Convert Mixed Metric Units
4.8.B_3

Convert Units of Time
4.8.B_4

Convert Whole Number Measures
4.8.B_5

Measurement Tables
4.8.B_6

Add and Subtract Cents
4.8.C_1

Add and Subtract Money
4.8.C_2

Schedules
4.8.C_3

Dot Plots
4.9.B_1

2 Times table (fluent)

3 Times table (fluent)

4 Times table (fluent)

5 Times table (fluent)

10 Times table (fluent)

Strands (Kindergarten – Grade 5):

- Numbers & Operations
- Algebraic Reasoning
- Mathematical Process Standards
- Geometry & Measurement
- Data Analysis

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Grade 5

- Fraction of a Number **5.1.A_1**
- Line Graphs **5.1.B_1**
- Expressions and Equations **5.1.D_1**
- Circles **5.1.F_1**
- Numerical Sequences **5.1.F_2**
- Decimal Place Value **5.2.A_1**
- Compare and Order Decimals **5.2.B_1**
- Round Decimals **5.2.C_1**
- Estimate Products and Quotients **5.3.A_1**
- Divide by Powers of 10 **5.3.C_1**
- Multiply Decimal Numbers **5.3.E_1**
- Divide by Powers of 10 **5.3.G_1**
- Add and Subtract Fractions **5.3.H_1**
- Add and Subtract Fractions with Related Denominators **5.3.H_2**
- Fraction of a Number **5.3.I_1**
- Multiply Fractions **5.3.I_2**
- Divide Fractions **5.3.L_1**
- Prime and Composite Numbers **5.4.A_1**
- Area and Perimeter Problems **5.4.B_1**
- Evaluate Expressions **5.4.F_1**
- Expressions and Equations **5.4.F_2**
- Multistep Multiplication and Division Problems **5.4.F_3**
- Volume with a Given a Picture **5.4.G_1**
- Add Volume Measures **5.4.H_1**
- Area **5.4.H_2**
- Area and Perimeter Problems **5.4.H_3**
- Perimeter **5.4.H_4**
- Volume **5.4.H_5**
- Volume with a Given a Picture **5.4.H_6**
- Volume in Cube Units **5.6.A_1**
- Volume **5.6.B_1**
- Volume in Cube Units **5.6.B_2**
- Compare Measures **5.7.A_1**
- Points on Coordinate Grid **5.8.A_1**
- Plot Figures on Coordinate Plane **5.8.C_1**
- Points on Coordinate Grid **5.8.C_2**
- Frequency Tables **5.9.C_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):

- Numbers & Operations
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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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Grade 7

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)
- The Number System (NS)
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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. ■

Strands (Grade 6 – 8):
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- Ratios & Proportional Relationships (RP)
- Geometry (G)
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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 ■

Strands (Grade 6 – 8):
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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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