



Mathematics program of study: Florida 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.

Choose and set topics for homework, easily.

The best bit is we do the marking!

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!

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

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

Growth Mindset

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



Add within 20 MA.K.AR.1.2_1	■
Add 1 MA.K.AR.1.3_1	■
Add within 10 MA.K.AR.1.3_2	■
Subtract within 20 MA.K.AR.1.3_3	■
2D and 3D Shapes MA.K.GR.1.1_1	■
2D and 3D Shapes MA.K.GR.1.2_1	■
Measure Length MA.K.M.1.3_1	■
Count within 10 MA.K.NSO.1.1_1	■
Count within 25 MA.K.NSO.1.1_2	■
Count within 5 MA.K.NSO.1.1_3	■

Positions MA.K.NSO.1.3_1	■
Compare Object Sets MA.K.NSO.1.4_1	■
10 More or 10 Less MA.K.NSO.2.1_1	■
Count Up or Down by 1 MA.K.NSO.2.1_2	■
Compare and Order Numbers to 10 MA.K.NSO.2.3_1	■
Add to 1 MA.K.NSO.3.1_1	■
Add to 2 MA.K.NSO.3.1_2	■
Add to 3 MA.K.NSO.3.1_3	■
Add to 4 MA.K.NSO.3.1_4	■

Add to 5 or 6 MA.K.NSO.3.1_5	■
Add to 7, 8, or 9 MA.K.NSO.3.1_6	■
Add within 20 MA.K.NSO.3.1_7	■
Count within 25 MA.K.NSO.3.1_8	■
Subtract from 6 or 7 MA.K.NSO.3.1_9	■
Subtract within 10 MA.K.NSO.3.1_10	■
Add 1 MA.K.NSO.3.2_1	■
Add within 10 MA.K.NSO.3.2_2	■
Add within 20 MA.K.NSO.3.2_3	■
Count within 25 MA.K.NSO.3.2_4	■

Fact Families MA.K.NSO.3.2_5	■
Subtract from 10 MA.K.NSO.3.2_6	■
Subtract from 11 MA.K.NSO.3.2_7	■
Subtract from 12 MA.K.NSO.3.2_8	■
Subtract from 2, 3, 4, or 5 MA.K.NSO.3.2_9	■
Subtract from 6 or 7 MA.K.NSO.3.2_10	■
Subtract from 8 or 9 MA.K.NSO.3.2_11	■
Subtract within 20 MA.K.NSO.3.2_12	■

Strands (Kindergarten - Grade 5):

- Number Sense & Operations (NSO)
- Algebraic Reasoning (AR)

- Measurement (M)
- Geometric Reasoning (GR)

- Data Analysis & Probability (DP)
- Fractions (FR)

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Add Four 1-Digit Numbers

MA.1.AR.1.1_1 ■

Add Four Numbers

MA.1.AR.1.1_2 ■

Add Three Numbers

MA.1.AR.1.1_3 ■

Related Addition and Subtraction Equations

MA.1.AR.1.1_4 ■

Add and Subtract with Money

MA.1.AR.1.2_1 ■

Addition and Subtraction Word Problems

MA.1.AR.1.2_2 ■

Tables

MA.1.AR.1.2_3 ■

Add and Subtract with Unknowns

MA.1.AR.2.1_1 ■

Related Addition and Subtraction Equations

MA.1.AR.2.1_2 ■

True or False Equations

MA.1.AR.2.2_1 ■

Add and Subtract with Unknowns

MA.1.AR.2.3_1 ■

Picture Graphs

MA.1.DP.1.2_1 ■

Tally Charts

MA.1.DP.1.2_2 ■

Fractions

MA.1.FR.1.1_1 ■

Shapes

MA.1.GR.1.1_1 ■

Compare Length

MA.1.M.1.2_1 ■

Time

MA.1.M.2.1_1 ■

Add and Subtract with Money

MA.1.M.2.2_1 ■

Coins

MA.1.M.2.2_2 ■

Compare and Order Money

MA.1.M.2.2_3 ■

Coins

MA.1.M.2.3_1 ■

Compare and Order Money

MA.1.M.2.3_2 ■

Count in 1s Within 1,000

MA.1.NSO.1.1_1 ■

Skip Count

MA.1.NSO.1.1_2 ■

Numbers in Words

MA.1.NSO.1.2_1 ■

Forms of Numbers

MA.1.NSO.1.3_1 ■

Related Addition and Subtraction Equations

MA.1.NSO.2.1_1 ■

Add and Subtract with Unknowns

MA.1.NSO.2.2_1 ■

Add or Take Away 10

MA.1.NSO.2.2_2 ■

Add Three Numbers

MA.1.NSO.2.2_3 ■

Add Within 20

MA.1.NSO.2.2_4 ■

Addition and Subtraction Word Problems

MA.1.NSO.2.2_5 ■

Subtract from 13 or 14

MA.1.NSO.2.2_6 ■

Subtract from 15, 16, 17, or 18

MA.1.NSO.2.2_7 ■

Subtract Within 20

MA.1.NSO.2.2_8 ■

Add Multiples of Ten

MA.1.NSO.2.3_1 ■

Count Up and Down By 1

MA.1.NSO.2.3_2 ■

One More/One Less

MA.1.NSO.2.3_3 ■

Add 1-Digit to 2-Digit Number

MA.1.NSO.2.4_1 ■

Subtract 1-Digit from

2-Digit Number

MA.1.NSO.2.5_1 ■

Subtract Within 20

MA.1.NSO.2.5_2 ■

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Comparison Problems MA.2.AR.1.1_1 ■	2D Shapes MA.2.GR.1.1_1 ■	Forms of Numbers MA.2.NSO.1.2_1 ■	3-Digit Column Addition and Subtraction MA.2.NSO.2.4_2 ■
Arrays MA.2.AR.3.2_1 ■	2D Shapes MA.2.GR.1.2_1 ■	Compare & Order Numbers MA.2.NSO.1.3_1 ■	Add 1-Digit Numbers within 1,000 MA.2.NSO.2.4_3 ■
Solve Equations with Arrays MA.2.AR.3.2_2 ■	Perimeter MA.2.GR.2.1_1 ■	Estimate Numbers on a Number Line MA.2.NSO.1.3_2 ■	Add with 3-Digit Numbers MA.2.NSO.2.4_4 ■
Scaled Bar Graphs MA.2.DP.1.1_1 ■	Perimeter MA.2.GR.2.2_1 ■	More/Less MA.2.NSO.2.2_1 ■	Add with Multiples of 10 MA.2.NSO.2.4_5 ■
Bar Graphs MA.2.DP.1.2_1 ■	Estimate Lengths MA.2.M.1.1_1 ■	2-Digit Addition MA.2.NSO.2.3_1 ■	Add with Multiples of 100 MA.2.NSO.2.4_6 ■
Dot Plots MA.2.DP.1.2_2 ■	Add Lengths MA.2.M.1.3_1 ■	2-Digit Column Addition and Subtraction MA.2.NSO.2.3_2 ■	Related Facts MA.2.NSO.2.4_7 ■
Pictographs MA.2.DP.1.2_3 ■	Subtract Lengths MA.2.M.1.3_2 ■	Subtract 2-Digit Numbers MA.2.NSO.2.3_3 ■	Subtract 1-Digit Numbers within 1,000 MA.2.NSO.2.4_8 ■
Scaled Bar Graphs MA.2.DP.1.2_4 ■	Time MA.2.M.2.1_1 ■	Subtract Multiples of 10 MA.2.NSO.2.3_4 ■	Subtract Multiples of 10 MA.2.NSO.2.4_9 ■
Tables MA.2.DP.1.2_5 ■	Money MA.2.M.2.2_1 ■	2-Digit Addition MA.2.NSO.2.4_1 ■	Subtract Multiples of 100 MA.2.NSO.2.4_10 ■
Partition Shapes MA.2.FR.1.1_1 ■	Forms of Numbers MA.2.NSO.1.1_1 ■		Subtract with 3-Digit Numbers MA.2.NSO.2.4_11 ■

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Area Models to Multiply 2- or 3-Digit by 1-Digit

MA.3.AR.1.1_1 ■

Multiplying Three Numbers

MA.3.AR.1.1_2 ■

Identify Values in a Table

MA.3.AR.1.2_1 ■

Multiplication and Division Word Problems

MA.3.AR.1.2_2 ■

Multi-Step Addition or Subtraction Problems

MA.3.AR.1.2_3 ■

Identify Correct Equation

MA.3.AR.2.1_1 ■

Identify Correct Equation

MA.3.AR.2.2_1 ■

Identify Unknown in Division

MA.3.AR.2.3_1 ■

Identify Unknown in Multiplication

MA.3.AR.2.3_2 ■

Numerical Patterns

MA.3.AR.3.3_1 ■

Time Sequences

MA.3.AR.3.3_2 ■

24hr Time tables, Part 2

MA.3.DP.1.2_1 ■

Line Graphs

MA.3.DP.1.2_2 ■

Line Plots

MA.3.DP.1.2_3 ■

Time tables, Part 2

MA.3.DP.1.2_4 ■

Forms of Fractions

MA.3.FR.1.1_1 ■

Turns

MA.3.FR.1.1_2 ■

Unit Fractions

MA.3.FR.1.1_3 ■

Unit Fractions

MA.3.FR.1.2_1 ■

Forms of Fractions

MA.3.FR.1.3_1 ■

Compare and Order Fractions

MA.3.FR.2.1_1 ■

Fraction Sequences

MA.3.FR.2.1_2 ■

Equivalent Fractions

MA.3.FR.2.2_1 ■

Lines

MA.3.GR.1.1_1 ■

Classify Quadrilaterals

MA.3.GR.1.2_1 ■

Lines of Symmetry

MA.3.GR.1.3_1 ■

One Line of Symmetry

MA.3.GR.1.3_2 ■

Area of Rectangles

MA.3.GR.2.1_1 ■

Area of Rectangles

MA.3.GR.2.2_1 ■

Area of Rectangles

MA.3.GR.2.3_1 ■

Perimeter of Quadrilaterals

MA.3.GR.2.3_2 ■

Area of Rectangles

MA.3.GR.2.4_1 ■

Add Measures

MA.3.M.1.2_1 ■

Subtract Measures

MA.3.M.1.2_2 ■

Volume

MA.3.M.1.2_3 ■

Weight

MA.3.M.1.2_4 ■

24hr Clocks

MA.3.M.2.1_1 ■

24hr Timetables, Part 1

MA.3.M.2.2_1 ■

Elapsed Times

MA.3.M.2.2_2 ■

Time Sequences

MA.3.M.2.2_3 ■

Timetables, Part 1

MA.3.M.2.2_4 ■

Number Forms

MA.3.NSO.1.1_1 ■

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Numbers in Words MA.3.NSO.1.1_2	Subtract 1s within 1,000 MA.3.NSO.2.1_6	x11 Part 2 MA.3.NSO.2.2_8	Divide 50-69 MA.3.NSO.2.4_6
Number Forms MA.3.NSO.1.2_1	Subtract Multiples of 10 MA.3.NSO.2.1_7	x12 Part 1 MA.3.NSO.2.2_9	Divide 70-100 MA.3.NSO.2.4_7
Compare and Order Numbers MA.3.NSO.1.3_1	Subtract Multiples of 100 MA.3.NSO.2.1_8	x12 Part 2 MA.3.NSO.2.2_10	Division Tables 2, 5, 10, 11, 12 MA.3.NSO.2.4_8
Round Numbers MA.3.NSO.1.4_1	Subtract Up to 6-Digit Numbers MA.3.NSO.2.1_9	Halving and Doubling MA.3.NSO.2.3_1	Division Tables 3, 4, 8, 6, 9, 7 MA.3.NSO.2.4_9
Add 10s, 100s, and 1,000s within 10,000 MA.3.NSO.2.1_1	Division Tables 2, 5, 10, 11, 12 MA.3.NSO.2.2_1	Multiply 1-Digit Numbers by Multiples of Powers of 10 MA.3.NSO.2.3_2	Identify Correct Equation MA.3.NSO.2.4_10
Add Up to 6-Digit Numbers MA.3.NSO.2.1_2	Division Tables 3, 4, 8, 6, 9, 7 MA.3.NSO.2.2_2	Divide 1-9 MA.3.NSO.2.4_1	Identify Related Equations MA.3.NSO.2.4_11
Add within 1,000 MA.3.NSO.2.1_3	Halving and Doubling MA.3.NSO.2.2_3	Divide 10-19 MA.3.NSO.2.4_2	Related Facts 2, 5, 10 MA.3.NSO.2.4_12
Multi-Step Addition or Subtraction Problems MA.3.NSO.2.1_4	Identify Related Equations MA.3.NSO.2.2_4	Divide 20-29 MA.3.NSO.2.4_3	Times Tables MA.3.NSO.2.4_13
Subtract 10s, 100s, and 1,000s within 10,000 MA.3.NSO.2.1_5	Related Facts 2, 5, 10 MA.3.NSO.2.2_5	Divide 30-39 MA.3.NSO.2.4_4	x10 Part 1 MA.3.NSO.2.4_14
	Times Tables MA.3.NSO.2.2_6	Divide 40-49 MA.3.NSO.2.4_5	x10 Part 2 MA.3.NSO.2.4_15
	x11 Part 1 MA.3.NSO.2.2_7		

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x2 Part 1

MA.3.NSO.2.4_16 ■

x2 Part 2

MA.3.NSO.2.4_17 ■

x3

MA.3.NSO.2.4_18 ■

x4

MA.3.NSO.2.4_1 ■

x5 Part 1

MA.3.NSO.2.4_20 ■

x5 Part 2

MA.3.NSO.2.4_21 ■

x6

MA.3.NSO.2.4_22 ■

x7

MA.3.NSO.2.4_23 ■

x8

MA.3.NSO.2.4_24 ■

x9

MA.3.NSO.2.4_25 ■

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Divide 2- and 3-Digit Numbers

MA.4.AR.1.1_1 ■

Division Word Problems

MA.4.AR.1.1_2 ■

Fraction Word Problems

MA.4.AR.1.2_1 ■

Unit Fraction Multiplication

MA.4.AR.1.3_1 ■

True Equations

MA.4.AR.2.1_1 ■

Arrays

MA.4.AR.2.2_1 ■

Dot Plots

MA.4.AR.2.2_2 ■

Factors

MA.4.AR.3.1_1 ■

Multiplying Three Numbers

MA.4.AR.3.1_2 ■

Numerical Patterns

MA.4.AR.3.2_1 ■

Equivalent Tenths, Hundredths,
and Thousandths

MA.4.FR.1.1_1 ■

Equivalent Tenths, Hundredths,
and Thousandths

MA.4.FR.1.2_1 ■

Equivalent Fractions

MA.4.FR.1.3_1 ■

Equivalent Tenths, Hundredths,
and Thousandths

MA.4.FR.1.3_2 ■

Pictorial Fractions

MA.4.FR.1.4_1 ■

Plot, Compare, and Order
Fractions

MA.4.FR.1.4_2 ■

Add and Subtract Fractions
Greater Than 1

MA.4.FR.2.2_1 ■

Add and Subtract Fractions with
Like Denominators

MA.4.FR.2.2_2 ■

Fraction Word Problems

MA.4.FR.2.2_3 ■

Pictorial Fractions

MA.4.FR.2.2_4 ■

Plot, Compare, and Order
Fractions

MA.4.FR.2.2_5 ■

Unit Fraction Multiplication

MA.4.FR.2.2_6 ■

Fraction of a Number

MA.4.FR.2.4_1 ■

Unit Fraction Multiplication

MA.4.FR.2.4_2 ■

Classify Angles

MA.4.GR.1.1_1 ■

Measure Angles

MA.4.GR.1.2_1 ■

Calculate Angle Measures

MA.4.GR.1.3_1 ■

Area of Rectangles

MA.4.GR.2.1_1 ■

Multiply with Multi-Digit Numbers

MA.4.GR.2.1_2 ■

Perimeter of Composite Shapes

MA.4.GR.2.1_3 ■

Perimeter of Rectangles

MA.4.GR.2.1_4 ■

Compare Measures

MA.4.M.1.2_1 ■

Convert Customary Mixed Unit
Measures

MA.4.M.1.2_2 ■

Convert Decimal Measures

MA.4.M.1.2_3 ■

Convert Metric Mixed Unit
Measures

MA.4.M.1.2_4 ■

Convert Whole-Number Measures

MA.4.M.1.2_5 ■

Measurement Tables

MA.4.M.1.2_6 ■

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Time MA.4.M.1.2_7 ■	Read Decimals MA.4.NSO.1.5_3 ■	Multiply with Multi-Digit Numbers MA.4.NSO.2.3_1 ■	Mentally Divide 2- & 3-Digit Numbers MA.4.NSO.2.5_3 ■
Money Word Problems MA.4.M.2.2_1 ■	Division Tables and Equations MA.4.NSO.2.1_1 ■	Divide 2- and 3-Digit Numbers MA.4.NSO.2.4_1 ■	Multiply with Multi-Digit Numbers MA.4.NSO.2.5_4 ■
Place Value MA.4.NSO.1.1_1 ■	Multiply with 3 MA.4.NSO.2.1_2 ■	Divide 4-Digit Numbers MA.4.NSO.2.4_2 ■	Add Decimals MA.4.NSO.2.7_1 ■
Forms of Numbers MA.4.NSO.1.2_1 ■	Multiply with 4 MA.4.NSO.2.1_3 ■	Divide by 2-Digit or 3-Digit Numbers MA.4.NSO.2.4_3 ■	Subtract Decimals MA.4.NSO.2.7_2 ■
Compare and Order Numbers MA.4.NSO.1.3_1 ■	Multiply with 6, 9, and 7 MA.4.NSO.2.1_4 ■	Divide Multi-Digit Numbers MA.4.NSO.2.4_4 ■	2 Times table (fluent) ■
Round Numbers MA.4.NSO.1.4_1 ■	Multiply with 8 MA.4.NSO.2.1_5 ■	Divide by 2-Digit or 3-Digit Numbers MA.4.NSO.2.5_1 ■	3 Times table (fluent) ■
Compare Decimals MA.4.NSO.1.5_1 ■	Multiplying Three Numbers MA.4.NSO.2.1_6 ■	Estimate Products and Quotients MA.4.NSO.2.5_2 ■	4 Times table (fluent) ■
Order Decimals MA.4.NSO.1.5_2 ■	Multiply with Multi-Digit Numbers MA.4.NSO.2.2_1 ■		5 Times table (fluent) ■
			10 Times table (fluent) ■

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Fraction Word Problems MA.5.AR.1.2_1 ■	Multiply Fractions MA.5.FR.2.2_1 ■	Volume Word Problems MA.5.GR.3.3_3 ■	Multiply or Divide by a Power of 10 MA.5.NSO.2.1_3 ■
Write Expressions MA.5.AR.2.1_1 ■	Multiply Fractions MA.5.FR.2.3_1 ■	Coordinate Plane MA.5.GR.4.1_1 ■	Tables MA.5.NSO.2.1_4 ■
Evaluate Expressions MA.5.AR.2.2_1 ■	Divide Fractions MA.5.FR.2.4_1 ■	First Quadrant of Coordinate Plane MA.5.GR.4.2_1 ■	Multiply or Divide by a Power of 10 MA.5.NSO.2.2_1 ■
Comparison Problems MA.5.AR.2.4_1 ■	Triangles MA.5.GR.1.1_1 ■	Durations MA.5.M.1.1_1 ■	Multiply Decimal Numbers MA.5.NSO.2.4_1 ■
Sequences MA.5.AR.3.1_1 ■	3D Solids MA.5.GR.1.2_1 ■	Numbers in Words MA.5.NSO.1.2_1 ■	Multiply or Divide by a Power of 10 MA.5.NSO.2.4_2 ■
Frequency Tables MA.5.DP.1.2_1 ■	Volume from Picture MA.5.GR.3.1_1 ■	Place Value MA.5.NSO.1.3_1 ■	Multiply Decimal Numbers MA.5.NSO.2.5_1 ■
Measures of Center MA.5.DP.1.2_2 ■	Volume from Formula MA.5.GR.3.2_1 ■	Round Numbers MA.5.NSO.1.5_1 ■	6 Times table (fluent) ■
Stem-and-Leaf Plots MA.5.DP.1.2_3 ■	Volume from Picture MA.5.GR.3.2_2 ■	Multiply 2-Digit by 2-Digit Numbers MA.5.NSO.2.1_1 ■	7 Times table (fluent) ■
Add and Subtract Fractions MA.5.FR.2.1_1 ■	Volume Word Problems MA.5.GR.3.2_3 ■	Multiply 4-Digit by 1-Digit Numbers MA.5.NSO.2.1_2 ■	8 Times table (fluent) ■
Add and Subtract Fractions with Related Denominators MA.5.FR.2.1_2 ■	Volume from Formula MA.5.GR.3.3_1 ■		9 Times table (fluent) ■
	Volume from Picture MA.5.GR.3.3_2 ■		11 Times table (fluent) ■
			12 Times table (fluent) ■

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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)

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■ Geometry (G)

■ Functions (F)

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



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 ■

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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 ■

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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 $x^2 = p$ & $x^3 = p$, 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 ■

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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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	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
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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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