



Readtopia®

Math Scope and Sequence

Middle/High School



DON•JOHNSTON
Human Learning Tools

Math Scope and Sequence – Middle/High School

	DIVISION
M1	<ul style="list-style-type: none">• Identify groups
M2	<ul style="list-style-type: none">• Identify subgroups
M3	<ul style="list-style-type: none">• Partition into equal groups
M4	<ul style="list-style-type: none">• Use repeated subtraction to solve problems
M5	<ul style="list-style-type: none">• Apply fair share and equal share to divide
M6	<ul style="list-style-type: none">• Solve division problems with divisors up to 10 and no remainder

	EXPRESSIONS & EQUATIONS
M1	<ul style="list-style-type: none">• Create, compare, and combine sets
M2	<ul style="list-style-type: none">• Addition/Subtraction• Recognize symbolic patterns & sequences
M3	<ul style="list-style-type: none">• Find unknown in addition or subtraction equation
M4	<ul style="list-style-type: none">• Use properties of addition to create an equivalent algebraic expression• Recognize equivalent algebraic expressions
M5	<ul style="list-style-type: none">• Determine the unknown in a multiplication or division equation up to 5×5 or divisors up to 5
M6	<ul style="list-style-type: none">• Solve simple algebraic equations

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GEOMETRY	
M1	<ul style="list-style-type: none">• Recognize some
M2	<ul style="list-style-type: none">• Match the same two-dimensional shape with same size and same orientation
M3	<ul style="list-style-type: none">• Identify length and perimeter• Analyze shapes to identify common attributes
M4	<ul style="list-style-type: none">• Calculate perimeter
M5	<ul style="list-style-type: none">• Match 2D and 3D shapes that are the same size and orientation• Match 2D and 3D shapes when they are different sizes
M6	<ul style="list-style-type: none">• Use the formula for perimeter and area to solve real-world problems

MONEY	
M1	<ul style="list-style-type: none">• Recognizing money
M2	<ul style="list-style-type: none">• Value of coins and bills
M3	<ul style="list-style-type: none">• More/less• Counting on
M4	<ul style="list-style-type: none">• Recognizing money• How much is needed to purchase an item
M5	<ul style="list-style-type: none">• State the value of a penny relative to a nickel (5 pennies), dime (10 pennies), and quarter (25 pennies), and a nickel relative to a dime (2 nickels) and quarter (5 nickels)
M6	<ul style="list-style-type: none">• Count the value of mixed coins

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NUMBER SENSE	
M1	<ul style="list-style-type: none">• Recognize whole• Recognize set• Recognize separate
M2	<ul style="list-style-type: none">• Divide into equal sets• Divide into equal areas
M3	<ul style="list-style-type: none">• Recognize fractions of sets of items• Recognize fractions of area• Divide a shape or set into halves or quarters
M4	<ul style="list-style-type: none">• Recognize and add fractions (halves, thirds, fourth, tenths)
M5	<ul style="list-style-type: none">• Recognize and subtract fractions with like denominators (halves, thirds, fourth, tenths) and minuends less than or equal to one
M6	<ul style="list-style-type: none">• Express fraction with denominator of 100 as a decimal and compare resulting decimals in real world examples

MULTIPLICATION	
M1	<ul style="list-style-type: none">• Sort objects into two groups
M2	<ul style="list-style-type: none">• Count the number in each set, combine sets and count total
M3	<ul style="list-style-type: none">• Use repeated addition to solve problems
M4	<ul style="list-style-type: none">• Multiply whole numbers up to 5x5
M5	<ul style="list-style-type: none">• Solve two-factor multiplication problems with products up to 50 (using objects and/or calculator)
M6	<ul style="list-style-type: none">• Solve multiplication problems with products up to 100 (with or without a calculator)

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STATISTICS & PROBABILITY

M1	<ul style="list-style-type: none">• Classify and order objects
M2	<ul style="list-style-type: none">• Bar graphs and picture graphs (emphasize number)
M3	<ul style="list-style-type: none">• Interpret bar graphs (emphasize interpretation)
M4	<ul style="list-style-type: none">• Comparing bar graphs and other data displays
M5	<ul style="list-style-type: none">• Construct and compare bar graphs
M6	<ul style="list-style-type: none">• Represent data using a tally chart

TIME

M1	<ul style="list-style-type: none">• Recognizing differences in time
M2	<ul style="list-style-type: none">• Before, during, and after
M3	<ul style="list-style-type: none">• Telling time to the hour and half hour
M4	<ul style="list-style-type: none">• Telling time to the minute
M5	<ul style="list-style-type: none">• Use addition to determine the total amount of time (in minutes) required
M6	<ul style="list-style-type: none">• Use subtraction to determine the total amount of time (in minutes) elapsed