

## MCAS/DCCAS Mathematics Correlation Chart Grade 3

<i>MCAS Finish Line Mathematics Grade 3</i>	<i>MCAS Standard</i>	<i>DCCAS Standard</i>	<i>DCCAS Standard Description</i>
<b>Unit 1: Number Sense</b>			
Lesson 1: <i>Whole Number Place Value</i>	3.N.1	3.NSO-N.1	Exhibit an understanding of the base 10 number system by reading, modeling, and writing whole numbers to at least 10,000; demonstrate an understanding of the values of the digits.
	3.N.2	3.NSO-N.2	Represent, compare, and order numbers to 10,000 using various forms, including expanded notation and written out in words.
Lesson 2: <i>Comparing and Ordering Whole Numbers</i>	3.N.1	3.NSO-N.1	Exhibit an understanding of the base 10 number system by reading, modeling, and writing whole numbers to at least 10,000; demonstrate an understanding of the values of the digits.
	3.N.2	3.NSO-N.2	Represent, compare, and order numbers to 10,000 using various forms, including expanded notation and written out in words.
Lesson 3: <i>Rounding Whole Numbers</i>	3.N.11	3.NSO-N.3	Round whole numbers through 10,000 to the nearest 10, 100, and 1,000.
Lesson 4: <i>Fractions</i>	3.N.3	3.NSO-F.5	Identify and represent fractions (between 0 and 1 with denominators through 10) as parts of unit wholes and parts of a collection.
Lesson 5: <i>Mixed Numbers</i>	3.N.3	3.NSO-F.9	Model and represent a mixed number (with denominator 2, 3, or 4) as a whole number and a fraction.
Lesson 6: <i>Comparing and Ordering Fractions</i>	3.N.4	3.NSO-F.6	Recognize, name, and use equivalent fractions with denominators 2, 3, 4, and 8; place these fractions on the number line; compare and order them and relate the number line to a ruler.

Lesson 7: <i>Number Classes</i>	3.N.5	3.NSO-N.4	Recognize sets to which a number may belong (odd numbers, even numbers, and multiples of numbers through 10). Identify the numbers in those classes.
<b>Unit 2: Operations, Part 1</b>			
Lesson 1: <i>Operation Properties</i>	3.N.7	3.NSO-C.20	Use the commutative (order) and identity properties of addition and multiplication on whole numbers in computations and problem situations.
Lesson 2: <i>Adding Whole Numbers</i>	3.N.10	3.NSO-C.11	Add and subtract up to four-digit whole numbers accurately and efficiently.
Lesson 3: <i>Subtracting Whole Numbers</i>	3.N.10	3.NSO-C.11	Add and subtract up to four-digit whole numbers accurately and efficiently.
Lesson 4: <i>Estimating Sums and Differences</i>	3.N.12	3.NSO-E.24	Understand and use the strategies of rounding and regrouping to estimate quantities, measures, and the results of whole-number computations (addition, subtraction, and multiplication) up to two-digit whole numbers and amounts of money to \$100 and to judge the reasonableness of answers.
<b>Unit 3: Operations, Part 2</b>			
Lesson 1: <i>Multiplication and Division Facts</i>	3.N.6	3.NSO-C.14	Know multiplication is the result of counting the total number of objects in a set of equal groups.
		3.NSO-C.15	Know division as another way of expressing multiplication, i.e., that division is the inverse of multiplication.
	3.N.9	3.NSO-C.16	Know multiplication facts through $10 \times 10$ and related division facts. Use these facts to solve related problems.
Lesson 2: <i>Multiplying Whole Numbers</i>	3.N.10	3.NSO-C.19	Multiply up to two-digit whole numbers by a one-digit whole number accurately and efficiently.

	3.N.12	3.NSO-E.24	Understand and use the strategies of rounding and regrouping to estimate quantities, measures, and the results of whole-number computations (addition, subtraction, and multiplication) up to two-digit whole numbers and amounts of money to \$100 and to judge the reasonableness of answers.
Lesson 3: <i>Adding and Subtracting Fractions</i>	3.N.13	3.NSO-C.12	Use concrete objects and visual models to add and subtract common fractions (halves, thirds, fourths, sixths, and eighths) with like denominators.
Lesson 4: <i>Choosing the Operation</i>			
<b>Unit 4: Geometry</b>			
Lesson 1: <i>Lines</i>	3.G.4	3.G.4	Identify and draw lines that are parallel, perpendicular, and intersecting.
Lesson 2: <i>Angles</i>	3.G.3	3.G.3	Identify angles as right, acute (less than a right angle), or obtuse (greater than a right angle).
Lesson 3: <i>Plane Figures</i>	3.G.1	3.G.1	Compare and analyze attributes and other features (e.g., number and shape of sides, faces, corners, right angles) of two-dimensional geometric shapes, especially the attributes of triangles (isosceles, equilateral, right) and quadrilaterals (rectangle, square).
	3.G.2	3.G.2	Describe, model, draw, compare, and classify three-dimensional and two-dimensional shapes, especially circles and polygons (e.g., triangles and quadrilaterals).
Lesson 4: <i>Solid Figures</i>	3.G.2	3.G.2	Describe, model, draw, compare, and classify three-dimensional and two-dimensional shapes, especially circles and polygons (e.g., triangles and quadrilaterals).
Lesson 5: <i>Coordinate Grids</i>	3.G.5	3.G.7	Using ordered pairs of whole numbers and/or letters, locate and identify points on a grid.

Lesson 6: <i>Symmetry</i>	3.G.6	3.G.5	Identify and draw lines of symmetry in two-dimensional shapes.
<b>Unit 5: Patterns, Relations, and Algebra</b>			
Lesson 1: <i>Number Patterns</i>	3.P.1	3.PRA.1	Create, describe, and extend symbolic (geometric) patterns and addition and subtraction patterns.
Lesson 2: <i>Geometric Patterns</i>	3.P.1	3.PRA.1	Create, describe, and extend symbolic (geometric) patterns and addition and subtraction patterns.
Lesson 3: <i>Number Sentences</i>	3.P.2	3.PRA.2	Select appropriate operational and relational symbols to make an expression true.
Lesson 4: <i>Solving Equations</i>	3.P.3	3.PRA.3	Determine values of variables in simple equations involving addition, subtraction, or multiplication.
<b>Unit 6: Measurement</b>			
Lesson 1: <i>Customary Units of Length</i>	3.M.1 3.M.5	3.M.1	Demonstrate an understanding of such attributes as length, area, and weight; select the appropriate type of unit for measuring each attribute using both the U.S. customary and metric systems.
Lesson 2: <i>Metric Units of Length</i>	3.M.1 3.M.5	3.M.1	Demonstrate an understanding of such attributes as length, area, and weight; select the appropriate type of unit for measuring each attribute using both the U.S. customary and metric systems.
Lesson 3: <i>Measurement Conversions</i>	3.M.2	3.M.2	Carry out simple unit conversions within a system of measurement such as hours to minutes and cents to dollars.
Lesson 4: <i>Weight</i>	3.M.1 3.M.5	3.M.1	Demonstrate an understanding of such attributes as length, area, and weight; select the appropriate type of unit for measuring each attribute using both the U.S. customary and metric systems.
	3.M.2	3.M.2	Carry out simple unit conversions within a system of measurement such as hours to minutes and cents to dollars.

Lesson 5: <i>Temperature</i>	3.M.5	3.M.1	Demonstrate an understanding of such attributes as length, area, and weight; select the appropriate type of unit for measuring each attribute using both the U.S. customary and metric systems.
Lesson 6: <i>Time</i>	3.M.2	3.M.2	Carry out simple unit conversions within a system of measurement such as hours to minutes and cents to dollars.
	3.M.3	3.M.3	Identify time to the nearest 5 minutes on analog and digital clocks using a.m. and p.m. Compute elapsed time using a clock (e.g., hours and minutes since...) and using a calendar (e.g., days since...).
Lesson 7: <i>Perimeter and Area</i>	3.M.4	3.M.4	Estimate and find area and perimeter of a rectangle and triangle using diagrams, models, and grids or by measuring.
	3.M.5	3.M.1	Demonstrate an understanding of such attributes as length, area, and weight; select the appropriate type of unit for measuring each attribute using both the U.S. customary and metric systems.
<b>Unit 7: Data Analysis, Statistics, and Probability</b>			
Lesson 1: <i>Tables and Tallies</i>	3.D.1	3.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments.
	3.D.2 3.D.3	3.DASP.2	Construct, identify the main idea, and make predictions from various representations of data sets in the forms of tables, bar graphs (horizontal and vertical forms), pictographs, and tallies.
Lesson 2: <i>Line Plots</i>	3.D.1	3.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments.
	3.D.2 3.D.3	3.DASP.2	Construct, identify the main idea, and make predictions from various representations of data sets in the forms of tables, bar graphs (horizontal and vertical forms), pictographs, and tallies.
Lesson 3: <i>Bar Graphs</i>	3.D.1	3.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments.

	3.D.2 3.D.3	3.DASP.2	Construct, identify the main idea, and make predictions from various representations of data sets in the forms of tables, bar graphs (horizontal and vertical forms), pictographs, and tallies.
Lesson 4: <i>Pictographs</i>	3.D.1	3.DASP.1	Collect and organize data using observations, measurements, surveys, or experiments.
	3.D.2 3.D.3	3.DASP.2	Construct, identify the main idea, and make predictions from various representations of data sets in the forms of tables, bar graphs (horizontal and vertical forms), pictographs, and tallies.
Lesson 5: <i>Outcomes</i>	3.D.4	3.DASP.5	List and count the number of possible combinations of objects from 2 sets.