



State of Iowa
Dynamic Learning Maps (DLM)
Mathematics Instructional Resources and Test Blueprint for Individual Student Assessment Requirements
2018-2019

This document contains 1) Mathematics Essential Elements instructional resources, 2) State of Iowa's Dynamic Learning Maps assessment requirements & timelines and 3) State of Iowa's grade level Mathematics Test Blueprint for individual students.

1. Iowa Core Mathematics Essential Elements Instructional Resources

- [Iowa Core "Unpacked" Mathematics Essential Elements](#)
- [Initial and Distal Precursor Extended Descriptors](#)
- [Guide to the Foundational Area of the Learning Maps](#)
- [DLM Foundational Area Learning Map](#)
- [DLM Professional Development Modules Claims 1-4](#)
- [DLM Math Glossary](#)
- [Pinterest Boards](#) **This entry was posted in [Blog post](#) on [September 8, 2015](#) by [Dynamic Learning Maps Professional Development](#).**
 - DLM: Compose and Decompose Numbers <https://www.pinterest.com/cgreer7/dlm-compose-and-decompose-numbers/>
 - DLM: Data Analysis and Probability <https://www.pinterest.com/cgreer7/dlm-data-analysis-and-probability/>
 - DLM: Fractions <https://www.pinterest.com/cgreer7/dlm-fractions/>
 - DLM: Functions <https://www.pinterest.com/cgreer7/dlm-functions/>
 - DLM: Geometry <https://www.pinterest.com/cgreer7/dlm-geometry/>
 - DLM: Instructional Practice <https://www.pinterest.com/cgreer7/dlm-instructional-practice/>
 - DLM: Measurement <https://www.pinterest.com/cgreer7/dlm-measurement/>
 - DLM: Number Sense <https://www.pinterest.com/cgreer7/dlm-number-sense/>
 - DLM: Operations <https://www.pinterest.com/cgreer7/dlm-operations/>
 - DLM: Patterning and Algebra <https://www.pinterest.com/cgreer7/dlm-patterning-and-algebra/>

For more information regarding Iowa Core mathematics instructional supports and resources please contact emily.thatcher@iowa.gov.

2. State of Iowa’s DLM Assessment Requirements & Timelines

Teachers are required to teach and assess the required number of EEs during the Fall, Winter, and Spring Assessment Windows (See table 1). Any student not assessed on the required EEs within each assessment window will be considered an exclusion unless granted exception by the Iowa Department of Education. Individual Education Plan (IEP) teams must request this exception from the Iowa Department of Education by contacting jennifer.denne@iowa.gov

Table 1.

Dynamic Learning Maps (DLM) Math Alternate Assessment
Each is assessed one time only across the Fall and Winter Assessment Windows

Grade Level	Fall Assessment Window 9/19/18-12/14/18 Required Number ELA Testlets	Winter Assessment Window 1/2/19-2/26/19 Required Number ELA Testlets	Spring Assessment Window 3/11/19-5/17/19 Required Number ELA Testlets
3	4	4	5
4	5	5	5
5	4	5	5
6	4	4	5
7	4	5	5
8	4	5	5
9	4	4	5
10	4	4	5
11	4	4	5

3. State of Iowa’s Grade Level Test Blueprints

Tested EEs are organized according to the claims and conceptual areas (See table 2). The specific EE for each grade are listed in tables beginning on page 4.

Table 2.

Major Claim	Conceptual Area	Conceptual Area Descriptor
Number Sense: Students demonstrate increasingly complex understanding of number sense.	MC 1.1	Understand number structures (counting, place value, fraction)
Number Sense: Students demonstrate increasingly complex understanding of number sense.	MC 1.2	Compare, compose, and decompose numbers and sets
Number Sense: Students demonstrate increasingly complex understanding of number sense.	MC 1.3	Calculate accurately and efficiently using simple arithmetic operations
Geometry: Students demonstrate increasingly complex spatial reasoning and understanding of geometric principles.	MC 2.1	Understand and use geometric properties of two- and three-dimensional shapes
Geometry: Students demonstrate increasingly complex spatial reasoning and understanding of geometric principles.	MC 2.2	Solve problems involving area, perimeter, and volume
Measurement Data and Analysis: Students demonstrate increasingly complex understanding of measurement, data, and analytic procedures.	MC 3.1	Understand and use measurement principles and units of measure
Measurement Data and Analysis: Students demonstrate increasingly complex understanding of measurement, data, and analytic procedures.	MC 3.2	Represent and interpret data displays
Algebraic and functional reasoning: Students solve increasingly complex mathematical problems, making productive use of algebra and functions.	MC 4.1.	Use operations and models to solve problems
Algebraic and functional reasoning: Students solve increasingly complex mathematical problems, making productive use of algebra and functions.	MC 4.2	Understand patterns and functional thinking

In this document, the term “blueprint” refers to the required tested Essential Elements (EEs) and coverage within each conceptual area of the DLM Alternate Assessment. **Each required EE must be tested at least once during either the Fall or Winter Assessment Window.** Teachers are required to use the State of Iowa Test Blueprints and maintain the test blueprint in the student’s cumulative folder.

The DLM Math Alternate Assessment includes three assessment windows-Fall, Winter, and Spring. **During the instructionally embedded Fall and Winter Assessments Windows, teachers are required to use the State of Iowa’s DLM Math Individual Student Test Blueprint document to identify EEs required at each grade level and record these EEs within DLM KITE Educator Portal Instructional Tools Interface (ITI) as instructional plans.** Teachers choose which EEs to instruct and assess during the Fall and Winter Assessment Windows. Other EEs may be selected as additional assessments.

During the Spring Assessment Window, teachers do not record EEs or create instructional plans in DLM KITE Educator Portal. The DLM System automatically delivers testlets which are a subset of EEs tested during the Fall and Winter Windows. Teachers are required to fill in the dates when testlets are given in the Spring Assessment Window.

Grade 3: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
Yes	M.C2.2	3.G.2	Recognize that shapes can be partitioned into equal areas.						
Yes	M.C3.1	3.MD.1	Tell time to the hour on a digital clock.						
No	M.C3.2	3.MD.3	Use picture or bar graph data to answer questions about data.						
Yes	M.C3.1	3.MD.4	Measure length of objects using standard tools, such as rulers, yardsticks, and meter sticks.						
Yes	M.C1.1	3.NBT.2	Demonstrate understanding of place value to tens.						
Yes	M.C1.1	3.NBT.3	Count by tens using models such as objects, base ten blocks, or money.						
No	M.C1.1	3.NF.1-3	Differentiate a fractional part from a whole.						
Yes	M.C4.1	3.OA.1-2	Use repeated addition to find the total number of objects and determine the sum.						
Yes	M.C1.3	3.OA.4	Solve addition and subtraction problems when result is unknown, limited to operands and results within 20.						
No	M.C4.1	3.OA.8	Solve one-step real world problems using addition or subtraction within 20.						
Yes	M.C4.2	3.OA.9	Identify arithmetic patterns.						

Grade 4: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
Yes	M.C2.1	4.G.1	Recognize parallel lines and intersecting lines.						
Yes	M.C3.1	4.MD.2.a	Tell time using a digital clock. Tell time to the nearest hour using an analog clock.						
No	M.C3.1	4.MD.2.b	Measure mass or volume using standard tools.						
Yes	M.C3.1	4.MD.2.d	Identify coins (penny, nickel, dime, quarter) and their values.						
Yes	M.C.2.2	4.MD.3	Determine the area of a square or rectangle by counting units of measure (unit squares).						
Yes	M.C3.2	4.MD.4.b	Interpret data from a picture or bar graph.						
No	M.C2.1	4.MD.5	Recognize angles in geometric shapes.						
No	M.C2.1	4.MD.6	Identify angles as larger and smaller.						
No	M.C1.2	4.NTB.2	Compare whole numbers to 10 using symbols (<,>=)						
No	M.C1.2	4.NBT.3	Round any whole number 0-30 to the nearest ten.						
Yes	M.C1.3	4.NBT.4	Add and subtract two-digit whole numbers.						

Grade 4: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
Yes	M.C1.1	4.NF.1-2	Identify models of one half (1/2) and one fourth (1/4).						
Yes	M.C1.1	4.NF.3	Differentiate between whole and half.						
No	M.C4.1	4.OA.1-2	Demonstrate the connection between repeated addition and multiplication.						
Yes	M.C4.1	4.OA.3	Solve one-step real-world problems using addition or subtraction within 100.						
Yes	M.C4.2	4.OA.5	Use repeating patterns to make predictions.						

Grade 5: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
Yes	M.C2.1	5.G.1-4	Sort two-dimensional figures and identify the attributes (angles, number of sides, corners, color) they have in common.						
Yes	M.C3.1	5.MD.1.a	Tell time using an analog or digital clock to the half or quarter hour.						
Yes	M.C3.1	5.MD.1.b	Use standard units to measure weight and length of objects.						
No	M.C3.1	5.MD.1.c	Indicate relative value of collections of coins.						
Yes	M.C3.2	5.MD.2	Represent and interpret data on a picture, line plot, or bar graph.						
Yes	M.C2.1	5.MD.3	Identify common three-dimensional shapes.						
No	M.C2.2	5.MD.4-5	Determine the volume of a rectangular prism by counting units of measure (unit cubes).						
Yes	M.C1.2	5.NBT.1	Compare numbers up to 99 using base ten models.						
No	M.C1.2	5.NBT.3	Compare whole numbers up to 100 using symbols (<, >, =).						
No	M.C1.2	5.NBT.4	Round two-digit whole numbers to the nearest 10 from 0-90.						

Grade 5: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
No	M.C1.2	5.NBT.5	Multiply whole numbers up to 5 x 5.						
Yes	M.C1.3	5.NBT.6-7	Illustrate the concept of division using fair and equal shares.						
Yes	M.C1.1	5.NF.1	Identify models of halves (1/2, 2/2) and fourths (1/4, 2/4, 3/4, 4/4).						
No	M.C1.1	5.NF.2	Identify models of thirds (1/3, 2/3, 3/3) and tenths (1/10, 2/10, 3/10, 4/10, 5/10, 6/10, 7/10, 8/10, 9/10, 10/10).						
Yes	M.C4.2	5.OA.3	Identify and extend numerical patterns.						

Grade 6: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window	Fall Assessment Window	Winter Assessment Window	Winter Assessment Window	Spring Assessment Window
					9/19/18-12/14/18	9/19/18-12/14/18	1/2/19-2/26/19	1/2/19-2/26/19	3/11/19-5/17/19
					Date in ITI	Date Assessed	Date in ITI	Date Assessed	Date Assessed
No	M.C4.1	6.EE.1-2	Identify equivalent number sentences.						
Yes	M.C4.1	6.EE.3	Apply the properties of addition to identify equivalent numerical expressions.						
Yes	M.C4.1	6.EE.5-7	Match an equation to a real-world problem in which variables are used to represent numbers.						
Yes	M.C2.2	6.G.1	Solve real-world and mathematical problems about area using unit squares.						
Yes	M.C2.2	6.G.2	Solve real-world and mathematical problems about volume using unit cubes.						
Yes	M.C1.2	6.NS.1	Compare the relationships between two unit fractions.						
Yes	M.C1.3	6.NS.2	Apply the concept of fair share and equal shares to divide.						
No	M.C1.3	6.NS.3	Solve two-factor multiplication problems with products up to 50 using concrete objects and/or a calculator.						

Grade 6: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
No	M.C1.2	6.NS.5-8	Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero).						
Yes	M.C1.1	6.RP.1	Demonstrate a simple ratio relationship.						
Yes	M.C3.2	6.SP.5	Summarize data distributions shown in graphs or tables.						

Grade 7: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Elements /Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
Yes	M.C4.1	7.EE.1	Use the properties of operations as strategies to demonstrate that expressions are equivalent.						
No	M.C4.2	7.EE.2	Identify an arithmetic sequence of whole numbers with a whole number common difference.						
Yes	M.C2.1	7.G.1	Match two similar geometric shapes that are proportional in size and in the same orientation.						
No	M.C2.1	7.G.2	Recognize geometric shapes with given conditions.						
Yes	M.C2.2	7.G.4	Determine the perimeter of a rectangle by adding the measures of the sides.						
No	M.C2.1	7.G.5	Recognize angles that are acute, obtuse, and right.						
Yes	M.C1.3	7.NS.1	Add fractions with like denominators (halves, thirds, fourths, and tenths) with sums less than or equal to one.						
Yes	M.C1.3	7.NS.2.a	Solve multiplication problems with products to 100.						
No	M.C1.3	7.NS.2.b	Solve division problems with divisors up to five and also with a divisor of 10 without remainders.						

Grade 7: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window	Fall Assessment Window	Winter Assessment Window	Winter Assessment Window	Spring Assessment Window
					9/19/18-12/14/18	9/19/18-12/14/18	1/2/19-2/26/19	1/2/19-2/26/19	3/11/19-5/17/19
					Date in ITI	Date Assessed	Date in ITI	Date Assessed	Date Assessed
Yes	M.C1.1	7.NS.2.c-d	Express a fraction with a denominator of 10 as a decimal.						
Yes	M.C1.2	7.NS.3	Compare quantities represented as decimals in real world examples to tenths.						
No	M.C1.1	7.RP.1-3	Use a ratio to model or describe a relationship.						
Yes	M.C3.2	7.SP.3	Compare two sets of data within a single data display such as a picture graph, line plot, or bar graph.						
Yes	M.C3.2	7.SP.5-7	Describe the probability of events occurring as possible or impossible.						

Grade 8: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
No	M.C1.3	8.EE.1	Identify the meaning of an exponent (limited to exponents of 2 and 3).						
Yes	M.C4.2	8.EE.2	Identify a geometric sequence of whole numbers with a whole number common ratio.						
Yes	M.C4.1	8.EE.7	Solve simple algebraic equations with one variable using addition and subtraction.						
Yes	M.C4.2	8.F.1-3	Given a function table containing at least 2 complete ordered pairs, identify a missing number that completes another ordered pair (limited to linear functions).						
Yes	M.C4.2	8.F.4	Determine the values or rule of a function using a graph or a table.						
No	M.C2.1	8.G.1	Recognize translations, rotations, and reflections of shapes.						
Yes	M.C2.1	8.G.2	Identify shapes that are congruent.						
No	M.C2.1	8.G.4	Identify similar shapes with and without rotation.						
No	M.C2.1	8.G.5	Compare any angle to a right angle and describe the angle as greater than, less than, or congruent to a right angle.						

Grade 8: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
Yes	M.C2.2	8.G.9	Use the formulas for perimeter, area, and volume to solve real-world and mathematical problems (limited to perimeter and area of rectangles and volume of rectangular prisms).						
Yes	M.C1.3	8.NS.1	Subtract fractions with like denominators (halves, thirds, fourths, and tenths) with minuends less than or equal to one.						
Yes	M.C1.1	8.NS.2.a	Express a fraction with a denominator of 100 as a decimal.						
No	M.C1.2	8.NS.2.b	Compare quantities represented as decimals in real-world examples to hundredths.						
Yes	M.C3.2	8.SP.4	Construct a graph or table from given categorical data and compare data categorized in the graph or table.						

High School: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required Grade	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
Yes - 10	M.C4.1	A-CED.1	Create an equation involving one operation with one variable, and use it to solve a real-world problem.						
Yes - 10	M.C4.1	A-CED.2-4	Solve one-step inequalities.						
Yes - 10	M.C4.2	A-REI.10-12	Interpret the meaning of a point on the graph of a line.						
Yes - 9	M.C4.1	A-SSE.1	Identify an algebraic expression involving one arithmetic operation to represent a real-world problem.						
Yes - 9	M.C4.1	A-SSE.3	Solve simple algebraic equations with one variable using multiplication and division.						
Yes - 11	M.C4.2	A-SSE.4	Determine the successive term in a geometric sequence given the common ratio.						
Yes - 10	M.C4.2	F.BF.1	Select the appropriate graphical representation (first quadrant) given a situation involving constant rate of change.						
Yes - 11	M.C4.2	F-BF.2	Determine an arithmetic sequence with whole numbers when provided a recursive rule.						

High School: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required Grade	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
Yes - 11	M.C4.2	F-IF.1-3	Use the concept of function to solve problems.						
Yes - 11	M.C4.2	F-IF.4-6	Construct graphs that represent linear functions with different rates of change and interpret which is faster/slower, higher/lower, etc.						
No - 11	M.C4.2	F-LE.1-3	Model a simple linear function such as $y=mx$ to show that these functions increase by equal amounts over equal intervals.						
Yes - 9	M.C2.1	G-CO.1	Know the attributes of perpendicular lines, parallel lines, and line segments; angles, and circles.						
No - 10	M.C2.1	G-CO.4-5	Given a geometric figure and a rotation, reflection, or translation of that figure, identify the components of the two figures that are congruent.						
Yes - 11	M.C2.1	G-CO.6-8	Identify corresponding congruent and similar parts of shapes.						
Yes - 9	M.C2.1	G-MG.1-3	Use properties of geometric shapes to describe real-life objects.						
Yes - 9	M.C2.2	G-GPE.7	Find perimeter and area of squares and rectangles to solve real-world problems.						

High School: Math Essential Elements Test Blueprint and Record of Assessed Essential Elements: Student Name: _____

Required Grade	Conceptual Area	Essential Element/Testlet	DESCRIPTION Click on description to access the Essential Element & Mini-Map	Node Linkage Level	Fall Assessment Window 9/19/18-12/14/18 Date in ITI	Fall Assessment Window 9/19/18-12/14/18 Date Assessed	Winter Assessment Window 1/2/19-2/26/19 Date in ITI	Winter Assessment Window 1/2/19-2/26/19 Date Assessed	Spring Assessment Window 3/11/19-5/17/19 Date Assessed
Yes - 9	M.C1.3	N-CN.2.a	Use the commutative, associative, and distributive properties to add, subtract, and multiply whole numbers.						
Yes - 9	M.C1.3	N-CN.2.b	Solve real-world problems involving addition and subtraction of decimals, using models when needed.						
Yes - 9	M.C1.3	N-CN.2.c	Solve real-world problems involving multiplication of decimals and whole numbers, using models when needed.						
Yes - 10	M.C3.1	N-Q.1-3	Express quantities to the appropriate precision of measurement.						
Yes - 11	M.C1.3	N-RN.1	Determine the value of quantity that is squared or cubed.						
Yes - 10	M.C1.3	S-CP.1-5	Identify when events are independent or dependent.						
Yes - 11	M.C1.3	S-IC.1-2	Determine the likelihood of an event occurring when the outcomes are equally likely to occur.						
Yes - 10	M.C3.2	S-ID.1-2	Given data, construct a simple graph (table, line, pie, bar, or picture) and interpret the data.						
Yes - 11	M.C3.2	S-ID.3	Interpret general trends on a graph or chart.						
Yes - 10	M.C3.2	S-ID.4	Calculate the mean of a given data set (limit the number of data points to fewer than five).						