

Standards / Objectives	<i>Excel Math</i> Lesson Numbers	Stretch Lesson Numbers Activity Numbers
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NUMBER AND OPERATIONS

Understand numbers, ways of representing numbers, relationships among numbers, and number systems
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<ul style="list-style-type: none"> Understand the place-value structure of the base-ten number system and be able to represent and compare whole numbers and decimals; 	1, 3, 4, 6, 21, 22, 24, 25, 26, 27, 33, 34, 65, 79, 80, 81, 85, 94, 98, 111, 120, 121, 146	118, 144 Activity 7
<ul style="list-style-type: none"> Recognize equivalent representations for the same number and generate them by decomposing and composing numbers; 	1, 4, 19, 21, 27, 28, 29, 33, 34, 37, 65, 80, 83, 108, 112, 118, 120, 136, 142	8, 144 Activity 7
<ul style="list-style-type: none"> Develop understanding of fractions as parts of unit wholes, as parts of a lines, and as divisions of whole numbers; 	9, 15, 23, 29, 31, 39, 43, 44, 59, 68, 77, 106, 113, 116, 135	9, 11, 17, 19, 29, 44, 132, 133 Activity 6, 14
<ul style="list-style-type: none"> Use models, benchmarks, and equivalent forms to judge the size of fractions; 	9, 15, 23, 31, 39, 43, 44, 50, 59, 68, 76, 77, 78, 83, 105, 106, 113, 116, 125, 127, 146	Activity 14
<ul style="list-style-type: none"> Recognize and generate equivalent forms of commonly used fractions, decimals, and percents; 	31, 59, 65, 68, 69, 76, 83, 85, 109, 112, 113, 116, 117, 125, 130, 136, 142, 149	Activity 14
<ul style="list-style-type: none"> Explore numbers less than 0 by extending the number line and through familiar applications; 	89, 123, 148, 150, 151, 154, 155	
<ul style="list-style-type: none"> Describe classes of numbers according to characteristics such as the nature of their factors. 	1, 2, 6, 9, 11, 16, 28, 29, 31, 36, 38, 43, 49, 58, 59, 61, 62, 68, 73, 76, 78, 87, 88, 89, 91, 93, 108, 118, 119, 123, 127, 131, 138, 150, 151, 153	3, 5, 12, 66, 69, 84, 92, 103, 116, 118

Understand meanings of operations and how they relate to one another

<ul style="list-style-type: none"> Understand various meanings of multiplication and division; 	2, 3, 11, 16, 18, 19, 21, 22, 24, 25, 26, 27, 28, 29, 33, 34, 36, 37, 38, 39, 41, 44, 46, 47, 48, 49, 51, 55, 58, 59, 61, 62, 73, 76, 77, 79, 81, 83, 93, 94, 97, 100, 101, 107, 109, 110, 111, 113, 114, 116, 117, 118, 119, 120, 124, 127, 128, 131, 132, 135, 136, 138, 139, 141, 146, 147, 149, 153	9, 11, 17, 19, 21, 32, 41, 44, 52, 61, 74, 81, 87, 98, 99, 106, 110, 113, 125, 127, 130, 143
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NCTM 5th Grade Standards / *Excel Math* Correlation

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<ul style="list-style-type: none"> Understand the effects of multiplying and dividing whole numbers; 	2, 3, 11, 16, 18, 19, 21, 22, 24, 26, 27, 28, 29, 33, 34, 36, 37, 38, 41, 44, 46, 47, 48, 49, 51, 55, 58, 59, 61, 62, 73, 76, 77, 79, 81, 83, 93, 94, 97, 100, 101, 107, 109, 110, 111, 113, 114, 116, 117, 118, 119, 120, 124, 127, 128, 131, 132, 135, 136, 138, 139, 141, 146, 147, 149, 153	9, 11, 17, 19, 21, 32, 41, 44, 52, 61, 70, 74, 81, 87, 98, 99, 106, 110, 113, 125, 127, 130, 143
<ul style="list-style-type: none"> Identify and use relationships between operations, such as division as the inverse of multiplication, to solve problems; 	11, 19, 21, 26, 27, 28, 33, 34, 41, 46, 47, 49, 73, 79, 94, 97, 100, 101, 119, 124, 128, 141, 147	
<ul style="list-style-type: none"> Understand and use properties of operations, such as the distributivity of multiplication over addition. 	2, 16, 96	110
Compute fluently and make reasonable estimates		
<ul style="list-style-type: none"> Develop fluency with basic number combinations for multiplication and division and use these combinations to mentally compute related problems, such as 3050; 	11, 21, 24, 28, 36, 37, 38, 49, 61, 62, 63, 71, 73, 78, 79, 88, 91, 93, 106, 107, 109, 112, 120, 128, 130, 141, 146, 149 Averaging: 102, 103	9, 11, 17, 19, 21, 24, 29, 41, 44, 52, 61, 64, 69, 70, 74, 98, 99, 103, 106, 110, 113, 125
<ul style="list-style-type: none"> Develop fluency in adding, subtracting, multiplying, and dividing whole numbers; 	1, 3, 11, 16, 22, 24, 25, 28, 36, 38, 49, 61, 63, 71, 73, 86, 106, 107, 108, 111, 118, 119, 120, 121, 128, 131, 132, 139, 141, 151, 154, 155	2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 17, 18, 19, 21, 24, 29, 31, 33, 36, 41, 44, 52, 64, 69, 70, 79, 81, 84, 89, 92, 103, 107, 110, 116, 120, 127, 129 Activity 5
<ul style="list-style-type: none"> Develop and use strategies to estimate the results of whole-number computations and to judge the reasonableness of such results; 	25, 37, 38, 61, 70, 73, 82, 88, 91, 92, 102, 119, 141, 142, 146	2, 3, 4, 7, 8, 11, 12, 41, 61, 64, 69, 70, 74, 84, 92, 98, 99, 103, 106, 107, 110, 113, 114, 116, 124 Activity 7, 14
<ul style="list-style-type: none"> Develop and use strategies to estimate computations involving fractions and decimals in situations relevant to students' experience; 	41, 44, 77, 79, 92, 120, 121, 125, 130, 142, 146, 149	10, 20, 64, 79, 80, 89, 119, 129, 130, 132, 133 Percentages: 130 Activity 7, 14

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<ul style="list-style-type: none"> Use visual models, benchmarks, and equivalent forms to add and subtract commonly used fractions and decimals; 	3, 4, 15, 23, 50, 66, 69, 82, 92, 99, 122 Multiply Fractions: 110, 113, 118, 126, 133, 135, 144, 153 Divide Fractions: 129, 135, 142, 153 Multiply Decimals: 81, 107, 116, 120, 131, 132, 149 Divide Decimals: 79, 94, 100, 136, 147	10, 13, 18, 20, 64, 79, 80, 89, 119, 121, 129, 132 Activity 14 Multiply / Divide: 127, 128, 130, 133
<ul style="list-style-type: none"> Select appropriate methods and tools for computing with whole numbers from among mental computation, estimation, calculators, and paper and pencil according to the context and nature of the computation and use the selected method or tools. 	2, 9, 13, 29, 38, 41, 44, 58, 70, 73, 74, 79, 82, 85, 88, 89, 91, 92, 102, 103, 116, 117, 119, 124, 130, 133, 135, 142, 151	3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 17, 18, 19, 20, 24, 29, 31, 33, 36, 44, 54, 55, 67, 64, 69, 70, 79, 80, 89, 95, 96, 102, 106, 107, 110, 120, 121, 124, 125, 127, 128, 129, 130, 135 Activity 5, 7, 8

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ALGEBRA		
Understand patterns, relations, and functions		
<ul style="list-style-type: none"> Describe, extend, and make generalizations about geometric and numeric patterns; 	6, 13, 38, 42, 86, 87, 104, 111, 143	1, 3, 7, 10, 12, 13, 18, 24, 36, 45, 47, 59, 84, 92, 105, 111, 131, 134, 141, 142, 144, 145, 148 Order: 6, 16, 23, 30, 37, 39, 46, 51, 53, 56, 66, 83, Activity: 1, 2, 3, 4
<ul style="list-style-type: none"> Represent and analyze patterns and functions, using words, tables, and graphs. 	6, 13, 42, 86, 87, 104, 111, 115, 143	1, 5, 6, 7, 10, 13, 16, 18, 23, 24, 26, 27, 30, 36, 37, 39, 45, 46, 47, 51, 53, 59, 66, 83, 84, 92, 105, 111, 131, 134, 141, 142, 144, 145, 148 Activity: 1, 2, 3, 4
Represent and analyze mathematical situations and structures using algebraic symbols		
<ul style="list-style-type: none"> Identify such properties as commutativity, associativity, and distributivity and use them to compute with whole numbers; 	32, 84, 96, 124	
<ul style="list-style-type: none"> Represent the idea of a variable as an unknown quantity using a letter or a symbol; 	14, 18, 37, 55, 77, 82, 124	1, 4, 8, 13, 18, 21, 32, 41, 81, 87, 94, 109, 110
<ul style="list-style-type: none"> Express mathematical relationships using equations. 	14, 15, 16, 18, 19, 32, 37, 38, 55, 66, 74, 75, 77, 79, 82, 83, 84, 96, 109, 110, 112, 116, 117, 120, 124, 127, 129, 130, 136	1, 2, 3, 4, 5, 8, 9, 10, 12, 13, 18, 19, 20, 21, 31, 32, 41, 44, 52, 64, 81, 87, 92, 94, 96, 99, 103, 106, 107, 109, 110, 111, 113, 116, 120, 121, 124, 125, 127, 129, 130, 132, 147
Use mathematical models to represent and understand quantitative relationships		
<ul style="list-style-type: none"> Model problem situations with objects and use representations such as graphs, tables, and equations to draw conclusions. 	5, 13, 14, 15, *18, 35, 40, 55, 77, 79, 82, 84, 115, 116, 124, 136, 143, 150	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 17, 18, 21, 26, 27, 30, 31, 32, 35, 36, 37, 39, 41, 44, 46, 52, 55, 64, 91, 92, 96, 99, 103, 106, 107, 110, 111, 113, 119, 120, 121, 124, 125, 126, 127, 129, 132, 135, 147 Activity 1, 2, 3, 4
Analyze change in various contexts		
<ul style="list-style-type: none"> Investigate how a change in one variable relates to a change in a second variable; 	13, 18, 19, 37, 55, 124, 140, 143	4, 8
<ul style="list-style-type: none"> Identify and describe situations with constant or varying rates of change and compare them. 	13	128

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GEOMETRY

Analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematical arguments about geometric relationships

<ul style="list-style-type: none"> Identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes; 	20, 35, 42, 45, 53, 71, 75, 84, 134, 144, 145	15, 22, 25, 34, 40, 43, 49, 50, 60, 63, 71, 73, 76, 78, 85, 88, 93, 100, 104, 112, 134, 136, 141, 142, 148 Activity 8, 9, 10, 11, 12, 13
<ul style="list-style-type: none"> Classify two- and three-dimensional shapes according to their properties and develop definitions of classes of shapes such as triangles and pyramids; 	20, 35, 42, 45, 71, 84, 134	15, 22, 76, 93, *134, *141, *142, *148 Activity 10, 11, 12
<ul style="list-style-type: none"> Investigate, describe, and reason about the results of subdividing, combining, and transforming shapes; 	45, 53, 75, 134, 144, 145	15, 22, 25, 34, 40, 43, 50, 60, 63, 71, 73, 76, 78, 85, 88, 93, 100, 104, 112, 136 Activity 8, 9, 10
<ul style="list-style-type: none"> Explore congruence and similarity; make and test conjectures about geometric properties and relationships and develop logical arguments to justify conclusions. 	30, 35, 42, 45, 71, 114, 137	25, *49, *88

Specify locations and describe spatial relationships using coordinate geometry and other representational systems

<ul style="list-style-type: none"> Describe location and movement using common language and geometric vocabulary; 	35, 45, 52, 53, 90, 95, 123, 134, 140	15, 25, 34, 43, 49, 50, 60, 63, 73, 78, 85, 91, 93, 134, 136, 141, 142
<ul style="list-style-type: none"> Make and use coordinate systems to specify locations and to describe paths; 	35, 52, 64, 90, 95, 123, 140	Number line: 82, 91, 97
<ul style="list-style-type: none"> Find the distance between points along horizontal and vertical lines of a coordinate system. 	*35, 64, 140 Area / perimeter: 95	

Apply transformations and use symmetry to analyze mathematical situations

<ul style="list-style-type: none"> Predict and describe the results of sliding, flipping, and turning two-dimensional shapes; 	45 Guided Practice: 46, 47, 48, 51, 54, 58, 69, 84, 104, 114, 134 Tests: 9, 10, 12, 14 Homework: 64, 74, 94, 144, 154	25, 40
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<ul style="list-style-type: none"> Describe a motion or a series of motions that will show that two shapes are congruent; 	30, 45, 71, 137	*25, 40, 73
<ul style="list-style-type: none"> Identify and describe line and rotational symmetry in two- and three-dimensional shapes and designs. 	*20, 45 Guided Practice: 46, 47, 48, 49, 51, 52, 54, 55, 57, 59, 63, 66, 73, 77, 83, 86, 99, 108, 112, 119 Homework: 56, 63, 66, 76, 88, 98, 127, 129, 136, 137, 143, 144	*93, *76 Activity 10, 11, 12
Use visualization, spatial reasoning, and geometric modeling to solve problems		
<ul style="list-style-type: none"> Build and draw geometric objects; 	35, 95, 134, 144	25, 34, 40, 43, 50, 60, 63, 73, 76, 78, 85, 93, 104, 112 Activity 8, 9, 10, 12
<ul style="list-style-type: none"> Create and describe mental images of objects, patterns, and paths; 	42, 45, 134, 144	15, 22, 25, 34, 40, 43, 49, 50, 60, 63, 71, 73, 76, 78, 85, 88, 93, 100, 104, 112, 134, 136, 141, 142, 148 Activity 6, 9
<ul style="list-style-type: none"> Identify and build a three-dimensional object from two-dimensional representations of that object; 	20	76, 93 Activity 9, 12
<ul style="list-style-type: none"> Identify and draw a two-dimensional representation of a three-dimensional object; 		*76, 93 Activity *9, *12
<ul style="list-style-type: none"> Use geometric models to solve problems in other areas of mathematics, such as number and measurement; 	12, 53, 63, 75, 84, 95, 114, 144, 145	15, 25, 76, 122, 138 Activity 9, 12
<ul style="list-style-type: none"> Recognize geometric ideas and relationships and apply them to other disciplines and to problems that arise in the classroom or in everyday life. 	12, 35, 75	15, 122, 138 Activity *9, 12

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MEASUREMENT

Understand measurable attributes of objects and the units, systems, and processes of measurement

<ul style="list-style-type: none"> Understand such attributes as length, area, weight, volume, and size of angle and select the appropriate type of unit for measuring each attribute; 	12, 17, 30, 48, 54, 56, 63, 72, 75, 84, 95, 120, 134, 144 Circumference: 145	58, 67, 72, 114, 115, 122, 124, 137, 140, 143, 147 Activity 8, 9
<ul style="list-style-type: none"> Understand the need for measuring with standard units and become familiar with standard units in the customary and metric systems; 	12, 17, 30, 48, 54, 63, 114, 134, 145	122, 137, 138 Activity 8, 9, 13
<ul style="list-style-type: none"> Carry out simple unit conversions, such as from centimeters to meters, within a system of measurement; understand that measurements are approximations and how differences in units affect precision; 	8, 12, 17, 48, 56, 58, 67, 114	122, 137 Activity 8
<ul style="list-style-type: none"> Explore what happens to measurements of a two-dimensional shape such as its perimeter and area when the shape is changed in some way. 	*56, *95, *120, 134, 144	25, *138, *140, *147 Activity 8

Apply appropriate techniques, tools, and formulas to determine measurements

<ul style="list-style-type: none"> Develop strategies for estimating the perimeters, areas, and volumes of irregular shapes; 	54, 95, 134, 145, 152	14, 139, 143 Activity 9, 13
<ul style="list-style-type: none"> Select and apply appropriate standard units and tools to measure length, area, volume, weight, time, temperature, and the size of angles; 	7, 8, 12, 17, 30, 51, 56, 57, 63, 72, 73, 74, 75, 84, 95, 134, 144 Circumference: 145 Distance, speed: 74, 114	14, 58, 67, 72, 114, 115, 122, 124, 137, 147 Distance: 24 Activity 8, 9, 13
<ul style="list-style-type: none"> Select and use benchmarks to estimate measurements; 	12, 17, 30, 57, 95, 114, 145	6, 14, 16, 24, 58, 114, 115, 139
<ul style="list-style-type: none"> Develop, understand, and use formulas to find the area of rectangles and related triangles and parallelograms; 	56, 63, 84, 95, 134, 144, 145 Distance: 74, 103 Perimeter: 54, 95	122, 140, 146 Activity 8 Distance 128, Perimeter: 138
<ul style="list-style-type: none"> Develop strategies to determine the surface areas and volumes of rectangular solids. 	72, 84, 137	122, 143 Activity 9, *12, *13

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DATA ANALYSIS AND PROBABILITY

Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them

<ul style="list-style-type: none"> Design investigations to address a question and consider how data-collection methods affect the nature of the data set; 	5, 35, 40, 115, 116	6, 16, 117, *135 Activity 1, 2, 3, 4
<ul style="list-style-type: none"> Collect data using observations, surveys, and experiments; 	5, 35, 115, 116	6, 16, 117, *135 Activity 1, 2, 3, 4
<ul style="list-style-type: none"> Represent data using tables and graphs such as line plots, bar graphs, and line graphs; 	5, 35, 40, 115, 116	6, 11, 16, 17, 82, 91, 97, 117, 125, 135 Activity 1, 2, 3, 4
<ul style="list-style-type: none"> Recognize the differences in representing categorical and numerical data. 	5, 13, 35, 40, 115, 116	6, 11, 16, 17, 117, 125, 135 Activity 1, 2, 3, 4

Select and use appropriate statistical methods to analyze data

<ul style="list-style-type: none"> Describe the shape and important features of a set of data and compare related data sets, with an emphasis on how the data are distributed; 	5, 13, 40, 115, 116, 143, 150	11, 17, 117, 125, 135 Activity 1, 2, 3, 4
<ul style="list-style-type: none"> Use measures of center, focusing on the median, and understand what each does and does not indicate about the data set; 	40, 102, 115, 150 Averaging: 102, 103, 135	
<ul style="list-style-type: none"> Compare different representations of the same data and evaluate how well each representation shows important aspects of the data. 	40, 115, 116	Activity 1, 2, 3, 4

Develop and evaluate inferences and predictions that are based on data

<ul style="list-style-type: none"> Propose and justify conclusions and predictions that are based on data and design studies to further investigate the conclusions or predictions. 	5, 13, 40, 115, 116	117, 125, 135 Activity 1, 2, 3, 4
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Understand and apply basic concepts of probability		
<ul style="list-style-type: none"> Describe events as likely or unlikely and discuss the degree of likelihood using such words as certain, equally likely, and impossible; 	5, 12, 60	*28, *48, *57, *65, *77, 86, *146 Activity 6
<ul style="list-style-type: none"> Predict the probability of outcomes of simple experiments and test the predictions; 	5, 60, 117, 145 Possibilities: 58, 70	65, *123 Activity 6 Possibilities: 4, 15, 117, 123, 132
<ul style="list-style-type: none"> Understand that the measure of the likelihood of an event can be represented by a number from 0 to 1. 	60, 117	Activity *6
PROBLEM SOLVING		
Build new mathematical knowledge through problem solving;	2, 4, 8, 9, 10, 13, 16, 29, 32, 44, 48, 57, 60, 69, 70, 79, 82, 89, 92, 97, 102, 103, 109, 115, 116, 117, 130, 133, 142	6, 7, 9, 14, 17, 19, 20, 23, 26, 27, 28, 29, 30, 33, 35, 36, 37, 38, 39, 42, 46, 48, 51, 53, 54, 55, 56, 57, 61, 62, 64, 68, 70, 75, 77, 79, 80, 83, 86, 89, 90, 95, 96, 98, 99, 101, 102, 106, 108, 111, 114, 117, 120, 121, 123, 124, 125, 126, 128, 129, 130, 133, 137, 146 Activity 1, 2, 3, 4, 5, 6, 7
Solve problems that arise in mathematics and in other contexts;	2, 4, 8, 9, 10, 13, 16, 29, 32, 44, 48, 57, 60, 69, 70, 79, 82, 89, 92, 97, 102, 103, 109, 115, 116, 117, 130, 133, 142	6, 7, 9, 14, 17, 19, 20, 23, 26, 27, 28, 29, 30, 33, 35, 36, 37, 38, 39, 42, 46, 48, 51, 53, 54, 55, 56, 57, 61, 62, 64, 68, 70, 75, 77, 79, 80, 83, 86, 89, 90, 95, 96, 98, 99, 101, 102, 106, 108, 111, 114, 117, 120, 121, 123, 124, 125, 126, 128, 129, 130, 133, 137, 146 Activity 1, 2, 3, 4, 5, 6, 7
Apply and adapt a variety of appropriate strategies to solve problems;	2, 4, 8, 9, 10, 13, 16, 29, 32, 44, 48, 57, 60, 69, 70, 79, 82, 89, 92, 97, 102, 103, 109, 115, 116, 117, 130, 133, 142	6, 7, 9, 14, 17, 19, 20, 23, 26, 27, 28, 29, 30, 33, 35, 36, 37, 38, 39, 42, 46, 48, 51, 53, 54, 55, 56, 57, 61, 62, 64, 68, 70, 75, 77, 79, 80, 83, 86, 89, 90, 95, 96, 98, 99, 101, 102, 106, 108, 111, 114, 117, 120, 121, 123, 124, 125, 126, 128, 129, 130, 133, 137, 146 Activity 1, 2, 3, 4, 5, 6, 7



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Monitor and reflect on the process of mathematical problem solving.	2, 4, 8, 9, 10, 13, 16, 29, 32, 44, 48, 57, 60, 69, 70, 79, 82, 89, 92, 97, 102, 103, 109, 115, 116, 117, 130, 133, 142	6, 7, 9, 14, 17, 19, 20, 23, 26, 27, 28, 29, 30, 33, 35, 36, 37, 38, 39, 42, 46, 48, 51, 53, 54, 55, 56, 57, 61, 62, 64, 68, 70, 75, 77, 79, 80, 83, 86, 89, 90, 95, 96, 98, 99, 101, 102, 106, 108, 111, 114, 117, 120, 121, 123, 124, 125, 126, 128, 129, 130, 133, 137, 146 Activity 1, 2, 3, 4, 5, 6, 7
REASONING AND PROOF		
Recognize reasoning and proof as fundamental aspects of mathematics;	10, 32, 48, 57, 60, 70, 79, 82, 89, 92, 97, 102, 103, 109, 115, 116, 117, 130, 133, 142	6, 7, 9, 14, 17, 19, 20, 23, 26, 27, 28, 29, 30, 33, 35, 36, 37, 38, 39, 42, 46, 48, 51, 53, 54, 55, 56, 57, 61, 62, 64, 68, 70, 75, 77, 79, 80, 83, 86, 89, 90, 95, 96, 98, 99, 101, 102, 106, 108, 111, 114, 117, 120, 121, 123, 124, 125, 126, 128, 129, 130, 133, 137, 146 Activity 1, 2, 3, 4, 5, 6, 7
Make and investigate mathematical conjectures;	5, 10, 32, 57, 70, 89, 92, 97, 102, 103, 109, 115, 116, 117, 130, 133, 142	6, 7, 9, 14, 17, 19, 20, 23, 26, 27, 28, 29, 30, 33, 35, 36, 37, 38, 39, 42, 46, 48, 51, 53, 54, 55, 56, 57, 61, 62, 64, 68, 70, 75, 77, 79, 80, 83, 86, 89, 90, 95, 96, 98, 99, 101, 102, 106, 108, 111, 114, 117, 120, 121, 123, 124, 125, 126, 128, 129, 130, 133, 137, 146 Activity 1, 2, 3, 4, 5, 6, 7
Develop and evaluate mathematical arguments and proofs;	10, 32, 57, 70, 89, 92, 97, 102, 103, 109, 115, 116, 117, 130, 133, 142	6, 7, 9, 14, 17, 19, 20, 23, 26, 27, 28, 29, 30, 33, 35, 36, 37, 38, 39, 42, 46, 48, 51, 53, 54, 55, 56, 57, 61, 62, 64, 68, 70, 75, 77, 79, 80, 83, 86, 89, 90, 95, 96, 98, 99, 101, 102, 106, 108, 111, 114, 117, 120, 121, 123, 124, 125, 126, 128, 129, 130, 133, 137, 146 Activity 1, 2, 3, 4, 5, 6, 7
Select and use various types of reasoning and methods of proof.	5, 10, 32, 57, 70, 89, 92, 97, 102, 103, 109, 115, 116, 117, 130, 133, 142	6, 7, 9, 14, 17, 19, 20, 23, 26, 27, 28, 29, 30, 33, 35, 36, 37, 38, 39, 42, 46, 48, 51, 53, 54, 55, 56, 57, 61, 62, 64, 68, 70, 75, 77, 79, 80, 83, 86, 89, 90, 95, 96, 98, 99, 101, 102, 106, 108, 111, 114, 117, 120, 121, 123, 124, 125, 126, 128, 129, 130, 133, 137, 146 Activity 1, 2, 3, 4, 5, 6, 7

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COMMUNICATIONS

Organize and consolidate their mathematical thinking through communication;	Applies to all lessons	Applies to all Stretches and Activities
Communicate their mathematical thinking coherently and clearly to peers, teachers, and others;	Applies to all lessons	Applies to all Stretches and Activities
Analyze and evaluate the mathematical thinking and strategies of others;	Applies to all lessons	Applies to all Stretches and Activities
Use the language of mathematics to express mathematical ideas precisely	Applies to all lessons	Applies to all Stretches and Activities

CONNECTIONS

Recognize and use connections among mathematical ideas;	Applies to all lessons	Applies to all Stretches and Activities
Understand how mathematical ideas interconnect and build on one another to produce a coherent whole;	Applies to all lessons	Applies to all Stretches and Activities
Recognize and apply mathematics in contexts outside of mathematics.	Applies to all lessons	Applies to all Stretches and Activities

REPRESENTATION

Create and use representations to organize, record, and communicate mathematical ideas;	Applies to all lessons	Applies to all Stretches and Activities
Select, apply, and translate among mathematical representations to solve problems;	Applies to all lessons	Applies to all Stretches and Activities
Use representations to model and interpret physical, social, and mathematical phenomena.	Applies to all lessons	Applies to all Stretches and Activities