

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
------------------------	---------------------------	---

**NUMBER AND OPERATIONS STANDARD**

<b>Understand numbers, ways of representing numbers, relationships among numbers, and number systems</b>		
<ul style="list-style-type: none"> <li>Understand the place-value structure of the base-ten number system and be able to represent and compare whole numbers and decimals;</li> </ul>	1, 2, 3, 7, 8, 11, 12, 22, 27, 28, 32, 36, 42, 43, 45, 50, 52, 53, 55, 74, 84, 85, 100, 102, 105, 117, 129, 131, 145	
<ul style="list-style-type: none"> <li>Recognize equivalent representations for the same number and generate them by decomposing and composing numbers;</li> </ul>	3, 7, 9, 11, 13, 14, 16, 21, 22, 24, 26, 27, 28, 31, 35, 36, 42, 43, 49, 50, 52, 53, 59, 67, 85, 88, 108, 126	
<ul style="list-style-type: none"> <li>Develop understanding of fractions as parts of unit wholes, as parts of a lines, and as divisions of whole numbers;</li> </ul>	15, 16, 17, 27, 33, 54, 67, 75, 79, 88, 99, 110, 112, 114, 136, 137	
<ul style="list-style-type: none"> <li>Use models, benchmarks, and equivalent forms to judge the size of fractions;</li> </ul>	15, 16, 54, 64, 75, 79, 88, 95, 99, 110, 112, 114, 118, 125, 127, 128, 136, 137, 143, 145	
<ul style="list-style-type: none"> <li>Recognize and generate equivalent forms of commonly used fractions, decimals, and percents;</li> </ul>	26, 67, 75, 85, 88, 95, 99, 110, 115, 118, 125, 127, 128, 136, 137, 143, 148	
<ul style="list-style-type: none"> <li>Explore numbers less than 0 by extending the number line and through familiar applications;</li> </ul>	117, 133, 140, 145	
<ul style="list-style-type: none"> <li>Describe classes of numbers according to characteristics such as the nature of their factors.</li> </ul>	6, 13, 17, 21, 23, 24, 46, 48, 51, 56, 61, 73, 74, 79, 89, 91, 93, 94, 102, 103, 105, 106, 113, 117, 126, 133, 135, 151	63, 68, 105, 113, 115, 128, 143
<b>Understand meanings of operations and how they relate to one another</b>		
<ul style="list-style-type: none"> <li>Understand various meanings of multiplication and division;</li> </ul>	12, 21, 22, 24, 27, 28, 31, 32, 33, 34, 36, 42, 43, 45, 47, 49, 51, 52, 53, 54, 56, 59, 61, 62, 63, 73, 75, 82, 83, 84, 87, 89, 91, 92, 95, 107, 108, 109, 115, 116, 120, 124, 138, 141, 143, 146, 148, 151	16, 31, 45, 56, 67, 69, 70, 89, 93, 96, 99, 104, 109, 117, 118, 121, 125, 129, 132, 142, 148, 150, 153, 155
<ul style="list-style-type: none"> <li>Understand the effects of multiplying and dividing whole numbers;</li> </ul>	12, 21, 22, 24, 27, 28, 31, 32, 33, 34, 36, 42, 43, 45, 47, 49, 51, 52, 53, 54, 56, 59, 61, 62, 63, 73, 75, 82, 83, 84, 87, 89, 91, 92, 95, 107, 108, 109, 115, 116, 120, 124, 138, 141, 143, 146, 148, 151	16, 31, 45, 56, 67, 69, 70, 89, 93, 96, 99, 104, 109, 117, 118, 121, 125, 129, 132, 142, 148, 150, 153, 155
<ul style="list-style-type: none"> <li>Identify and use relationships between operations, such as division as the inverse of multiplication, to solve problems;</li> </ul>	12, 21, 24, 27, 28, 42, 43, 49, 52, 53, 59, 61, 73, 82, 83, 87, 107, 109, 115, 138, 151	



## NCTM 4<sup>th</sup> Grade Standards / *Excel Math* Correlation

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
<ul style="list-style-type: none"> <li>Understand and use properties of operations, such as the distributivity of multiplication over addition.</li> </ul>	12, 16, 24, 31, 36, 49, 108	
<b>Compute fluently and make reasonable estimates</b>		
<ul style="list-style-type: none"> <li>Develop fluency with basic number combinations for multiplication and division and use these combinations to mentally compute related problems, such as 3050;</li> </ul>	12, 13, 14, 17, 18, 19, 21, 22, 23, 24, 26, 29, 31, 34, 36, 46, 47, 48, 49, 51, 52, 53, 54, 56, 59, 61, 62, 64, 66, 71, 73, 74, 76, 78, 79, 81, 84, 89, 91, 92, 93, 94, 96, 98, 101, 102, 103, 108, 114, 116, 117, 122, 129, 131, 132, 136, 137, 138, 141, 142	16, 31, 45, 56, 67, 69, 70, 89, 93, 96, 99, 104, 109, 117, 118, 121, 125, 129, 132, 142, 148, 150, 153, 155
<ul style="list-style-type: none"> <li>Develop fluency in adding, subtracting, multiplying, and dividing whole numbers;</li> </ul>	1, 2, 3, 6, 7, 8, 9, 11, 12, 13, 14, 17, 18, 19, 21, 22, 23, 26, 29, 31, 34, 36, 46, 47, 48, 49, 51, 52, 53, 54, 56, 59, 61, 62, 64, 66, 71, 72, 73, 74, 76, 79, 78, 81, 84, 89, 91, 92, 93, 94, 96, 98, 101, 102, 103, 108, 114, 116, 117, 122, 129, 131, 132, 136, 137, 138, 141, 142	3, 6, 8, 13, 16, 25, 26, 28, 30, 39, 43, 48, 56, 59, 69, 75, 80, 90, 92, 96, 102, 105, 106, 113, 114, 116, 122, 126, 130, 132, 136, 138, 147
<ul style="list-style-type: none"> <li>Develop and use strategies to estimate the results of whole-number computations and to judge the reasonableness of such results;</li> </ul>	2, 9, 45, 55, 69, 90, 104, 129, 131	
<ul style="list-style-type: none"> <li>Develop and use strategies to estimate computations involving fractions and decimals in situations relevant to students' experience;</li> </ul>	16, 18, 26, 55, 104, 124, 139, 143	Activity 6
<ul style="list-style-type: none"> <li>Use visual models, benchmarks, and equivalent forms to add and subtract commonly used fractions and decimals;</li> </ul>	11, 26, 67, 76, 81, 86	
<ul style="list-style-type: none"> <li>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.</li> </ul>	1, 2, 9, 26, 31, 41, 45, 69, 79, 91, 122, 123, 139, 151	1, 2, 3, 5, 6, 7, 8, 11, 13, 14, 16, 17, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 38, 40, 41, 46, 47, 48, 50, 51, 54, 55, 57, 59, 64, 70, 73, 76, 84, 88, 91, 98, 101, 103, 105, 106, 108, 116, 127, 130, 132, 133, 134, 135, 136, 138, 145, 147, 151 Activity 6

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
------------------------	---------------------------	---

**ALGEBRA STANDARDS**

**Understand patterns, relations, and functions**

<ul style="list-style-type: none"> <li>Describe, extend, and make generalizations about geometric and numeric patterns;</li> </ul>	6, 8, 9, 23, 25, 48, 56, 58, 91, 101, 103, 105, 113, 117, 145, 151, 152,	1, 2, 7, 11, 12, 16, 17, 20, 21, 35, 37, 42, 48, 50, 54, 57, 60, 61, 62, 63, 64, 68, 72, 74, 77, 79, 90, 92, 102, 105, 106, 113, 122, 124
<ul style="list-style-type: none"> <li>Represent and analyze patterns and functions, using words, tables, and graphs.</li> </ul>	6, 19, 23, 25, 56, 58, 91, 101, 103, 105, 113, 117, 145, 152	1, 2, 7, 11, 12, 16, 17, 20, 21, 35, 37, 42, 48, 50, 54, 57, 60, 61, 62, 63, 64, 68, 72, 74, 77, 79, 90, 92, 102, 105, 106, 113, 122, 124

**Represent and analyze mathematical situations and structures using algebraic symbols**

<ul style="list-style-type: none"> <li>Identify such properties as commutativity, associativity, and distributivity and use them to compute with whole numbers;</li> </ul>	72, 73, 87, 108	
<ul style="list-style-type: none"> <li>Represent the idea of a variable as an unknown quantity using a letter or a symbol;</li> </ul>	34, 87, 92, 134, 152	9, 15, 19, 31, 39, 45, 52, 69, 75, 80, 89, 93, 99, 109, 114
<ul style="list-style-type: none"> <li>Express mathematical relationships using equations.</li> </ul>	8, 14, 16, 22, 34, 35, 41, 72, 87, 108, 134, 152  Inequalities 74, 100, 125, 133	9, 15, 19, 31, 39, 45, 52, 69, 75, 80, 89, 93, 99, 109, 114  Activity 8, 11

**Use mathematical models to represent and understand quantitative relationships**

<ul style="list-style-type: none"> <li>Model problem situations with objects and use representations such as graphs, tables, and equations to draw conclusions.</li> </ul>	16, 26, 41, 44, 45, 56, 66, 90, 134, 152	Graph Activity – 1, 2, 3, 4, 5, 6 Activity 6
--	--	---

**Analyze change in various contexts**

<ul style="list-style-type: none"> <li>Investigate how a change in one variable relates to a change in a second variable;</li> </ul>	25, 35, 56, 99, 139, 152	
<ul style="list-style-type: none"> <li>Identify and describe situations with constant or varying rates of change and compare them.</li> </ul>	18, 19, 25, 56, 57, 65, 90, 111, 121, 132, 152	10, 18 Activity 12

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
------------------------	---------------------------	---

**GEOMETRY STANDARDS**

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

<ul style="list-style-type: none"> <li>Identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes;</li> </ul>	15, 38, 39, 40, 58, 60, 71, 95, 98, 105, 144, 147, 149, 155	24, 32, 36, 44, 53, 58, 65, 66, 78, 82, 94, 100, 107, 110, 119, 123, 125 Activity 3, 4, 9, 10
<ul style="list-style-type: none"> <li>Classify two- and three-dimensional shapes according to their properties and develop definitions of classes of shapes such as triangles and pyramids;</li> </ul>	38, 39, 40, 58, 98, 105, 144, 147, 149, 155	32, 36, 44, 53, 58, 65, 66, 78, 82, 94, 100, 107, 119, 123, 125 Activity 9
<ul style="list-style-type: none"> <li>Investigate, describe, and reason about the results of subdividing, combining, and transforming shapes;</li> </ul>	39, 60, 71, 95, 105, 147, 155	4, 24, 32, 36, 44, 53, 58, 65, 66, 78, 82, 94, 100, 107, 123, 125, 131 Activity 3, 9, 10
<ul style="list-style-type: none"> <li>Explore congruence and similarity; make and test conjectures about geometric properties and relationships and develop logical arguments to justify conclusions.</li> </ul>	39, 60, 98, 144, 155	32, 44, 53, 65, 66, 78, 82, 94, 100, 107, 110, 119 Activity 3, 9

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

<ul style="list-style-type: none"> <li>Describe location and movement using common language and geometric vocabulary;</li> </ul>	65, 70, 121, 130	4, 32, 36, 44, 58, 66, 78, 82, 100, 107, 123 Activity 12
<ul style="list-style-type: none"> <li>Make and use coordinate systems to specify locations and to describe paths;</li> </ul>	65, 97, 120, 130, 140	Activity 5, 12
<ul style="list-style-type: none"> <li>Find the distance between points along horizontal and vertical lines of a coordinate system.</li> </ul>	37, 38, 65, 70, 97, 120	Activity 12

**Apply transformations and use symmetry to analyze mathematical situations**

<ul style="list-style-type: none"> <li>Predict and describe the results of sliding, flipping, and turning two-dimensional shapes;</li> </ul>	60	
<ul style="list-style-type: none"> <li>Describe a motion or a series of motions that will show that two shapes are congruent;</li> </ul>	60, 122, 147	

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
<ul style="list-style-type: none"> <li>Identify and describe line and rotational symmetry in two- and three-dimensional shapes and designs.</li> </ul>	30	
<b>Use visualization, spatial reasoning, and modeling to solve problems</b>		
<ul style="list-style-type: none"> <li>Build and draw geometric objects;</li> </ul>	39, 40, 64, 71, 95, 105, 122, 147, 149, 155	24, 36, 44, 53, 58, 66, 78, 82, 100, 107, 123, 131, 135, 150 Activity 3, 9, 10
<ul style="list-style-type: none"> <li>Create and describe mental images of objects, patterns, and paths;</li> </ul>	39, 40, 44, 64, 95, 105, 147, 149, 155	24, 32, 36, 44, 53, 58, 65, 66, 78, 82, 94, 100, 107, 123, 131, 135, 150 Activity 10
<ul style="list-style-type: none"> <li>Identify and build a three-dimensional object from two-dimensional representations of that object;</li> </ul>	40, 95, 105, 149	Activity 9
<ul style="list-style-type: none"> <li>Identify and draw a two-dimensional representation of a three-dimensional object;</li> </ul>	95, 105, 149	
<ul style="list-style-type: none"> <li>Use geometric models to solve problems in other areas of mathematics, such as number and measurement;</li> </ul>	44, 60, 64, 71, 95, 147, 149, 155	24, 32, 36, 53, 58, 65, 66, 78, 82, 94, 100, 107, 110, 119, 123, 125, 131, 135, 150 Activity 3, 9, 10
<ul style="list-style-type: none"> <li>Recognize geometric ideas and relationships and apply them to other disciplines and to problems that arise in the classroom or in everyday life.</li> </ul>	44	125, 135, 150 Activity 9

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
------------------------	---------------------------	---

**MEASUREMENT STANDARDS**

<b>Understand measurable attributes of objects and the units</b>		
<ul style="list-style-type: none"> <li>Understand such attributes as length, area, weight, volume, and size of angle and select the appropriate type of unit for measuring each attribute;</li> </ul>	29, 30, 37, 63, 64, 68, 70, 78, 87, 95, 96, 105, 120, 123, 132, 147, 155	23, 49, 76, 87, 95, 118, 125, 137, 139, 144, 149, 154, 150  Activity 7, 10
<ul style="list-style-type: none"> <li>Understand the need for measuring with standard units and become familiar with standard units in the customary and metric systems;</li> </ul>	29, 37, 63, 68, 139	118, 125, 137
<ul style="list-style-type: none"> <li>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;</li> </ul>	37, 63, 73, 121	118
<ul style="list-style-type: none"> <li>Explore what happens to measurements of a two-dimensional shape such as its perimeter and area when the shape is changed in some way.</li> </ul>	60, 68, 105, 147, 155	4, 24, 32, 36, 53, 58, 65, 66, 78, 82, 94, 100, 107, 123, 125, 131, 135, 137  Activity 7, 10
<b>Apply appropriate techniques, tools, and formulas to determine measurements</b>		
<ul style="list-style-type: none"> <li>Develop strategies for estimating the perimeters, areas, and volumes of irregular shapes;</li> </ul>	64, 68	125, 135  Activity 7, 10
<ul style="list-style-type: none"> <li>Select and apply appropriate standard units and tools to measure length, area, volume, weight, time, temperature, and the size of angles;</li> </ul>	18, 37, 57, 66, 68, 70, 78, 90, 96, 105, 111, 120, 124, 147, 149, 155  Distance 92, 121	10, 18, 43, 125, 137  Activity 7, 10
<ul style="list-style-type: none"> <li>Select and use benchmarks to estimate measurements;</li> </ul>	29, 37, 57, 68, 70	125  Activity 7
<ul style="list-style-type: none"> <li>Develop, understand, and use formulas to find the area of rectangles and related triangles and parallelograms;</li> </ul>	64, 68, 96, 105, 120, 147, 149, 155  Distance 92	125, 137, 150  Activity 7, 10
<ul style="list-style-type: none"> <li>Develop strategies to determine the surface areas and volumes of rectangular solids.</li> </ul>	68, 95, 96, 105, 120, 149, 155	125, 137, 150  Activity 7, 10

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
------------------------	---------------------------	---

**DATA ANALYSIS AND PROBABILITY STANDARDS**

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

<ul style="list-style-type: none"> <li>Design investigations to address a question and consider how data-collection methods affect the nature of the data set;</li> </ul>	4, 5, 20, 39, 56, 80, 119	86, 97, 112 Graph Activity 1, 2, 3, 6
<ul style="list-style-type: none"> <li>Collect data using observations, surveys, and experiments;</li> </ul>	39	86, 97, 112 Activity 6 Graph Activity 1, 2, 3, 6
<ul style="list-style-type: none"> <li>Represent data using tables and graphs such as line plots, bar graphs, and line graphs;</li> </ul>	20, 39, 56, 119	86, 97, 112 Graph Activity 1, 2, 3, 6
<ul style="list-style-type: none"> <li>Recognize the differences in representing categorical and numerical data.</li> </ul>	4, 5, 20, 25, 39, 56, 80, 119	86, 97, 112 Graph Activity 1, 2, 3, 6

**Select and use appropriate statistical methods to analyze data**

<ul style="list-style-type: none"> <li>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;</li> </ul>	4, 20, 25, 44, 56, 80, 119, 152	Activity 6 Graph Activity 1, 2, 3, 4, 5, 6
<ul style="list-style-type: none"> <li>Use measures of center, focusing on the median, and understand what each does and does not indicate about the data set;</li> </ul>	150 Averaging 122	
<ul style="list-style-type: none"> <li>Compare different representations of the same data and evaluate how well each representation shows important aspects of the data.</li> </ul>	56, 119, 152	Graph Activity 1, 2, 3, 4, 5

**Develop and evaluate inferences and predictions that are based on data**

<ul style="list-style-type: none"> <li>Propose and justify conclusions and predictions that are based on data and design studies to further investigate the conclusions or predictions.</li> </ul>	5, 20, 39, 56, 80, 119, 152	86, 97, 112 Graph Activity 1, 2, 3, 4, 5, 6
--	-----------------------------	--

**Understand and apply basic concepts of probability**

<ul style="list-style-type: none"> <li>Describe events as likely or unlikely and discuss the degree of likelihood using such words as certain, equally likely, and impossible;</li> </ul>	5	
---	---	--

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
<ul style="list-style-type: none"> <li>Predict the probability of outcomes of simple experiments and test the predictions;</li> </ul>	5, 77	85, 135 Possibilities 5, 14, 22, 71, 85, 91, 103, 111, 132, 142, 146 Activity 1, 4 Graph Activity 1
<ul style="list-style-type: none"> <li>Understand that the measure of the likelihood of an event can be represented by a number from 0 to 1.</li> </ul>	5	
<h2>PROBLEM SOLVING STANDARDS</h2>		
<ul style="list-style-type: none"> <li>Build new mathematical knowledge through problem solving;</li> </ul>	1, 4, 9, 10, 26, 31, 33, 41, 46, 51, 56, 69, 72, 77, 90, 92, 96, 109, 111, 121, 122, 123, 129, 139, 143, 150	1, 2, 3, 5, 6, 8, 13, 14, 16, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 38, 40, 41, 46, 47, 48, 50, 51, 54, 55, 57, 59, 64, 70, 73, 76, 84, 88, 91, 98, 101, 103, 105, 106, 108, 111, 115, 116, 117, 118, 120, 121, 124, 125, 127, 130, 132, 133, 134, 135, 136, 138, 145, 147, 151 Activity 2, 6, 8, 11, 12
<ul style="list-style-type: none"> <li>Solve problems that arise in mathematics and in other contexts;</li> </ul>	1, 4, 9, 26, 31, 33, 41, 46, 51, 54, 72, 77, 90, 109, 111, 123, 129, 139, 143	1, 2, 3, 5, 6, 8, 13, 14, 16, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 38, 40, 41, 46, 47, 48, 50, 51, 54, 55, 57, 59, 64, 70, 73, 76, 84, 88, 91, 98, 101, 103, 105, 106, 108, 111, 115, 116, 117, 118, 120, 121, 124, 125, 127, 130, 132, 133, 134, 135, 136, 138, 145, 147, 151 Activity 8, 11
<ul style="list-style-type: none"> <li>Apply and adapt a variety of appropriate strategies to solve problems;</li> </ul>	1, 4, 9, 10, 26, 31, 41, 51, 54, 72, 77, 90, 111, 123, 129, 139, 143	1, 2, 3, 5, 6, 8, 13, 14, 16, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 38, 40, 41, 46, 47, 48, 50, 51, 54, 55, 57, 59, 64, 70, 73, 76, 84, 88, 91, 98, 101, 103, 105, 106, 108, 111, 115, 116, 117, 118, 120, 121, 124, 125, 127, 130, 132, 133, 134, 135, 136, 138, 145, 147, 151 Activity 2, 8, 11
<ul style="list-style-type: none"> <li>Monitor and reflect on the process of mathematical problem solving.</li> </ul>	1, 4, 9, 10, 26, 31, 41, 54, 72, 77, 90, 109, 111, 123, 129, 139, 143	1, 2, 3, 5, 6, 8, 13, 14, 16, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 38, 40, 41, 46, 47, 48, 50, 51, 54, 55, 57, 59, 64, 70, 73, 76, 84, 88, 91, 98, 101, 103, 105, 106, 108, 111, 115, 116, 117, 118, 120, 121, 124, 125, 127, 130, 132, 133, 134, 135, 136, 138, 145, 147, 151 Activity 2, 8, 11

Standards / Objectives	Excel Math Lesson Numbers	Stretch Lesson Numbers Activity Numbers
<b>REASONING AND PROOF STANDARDS</b>		
<ul style="list-style-type: none"> <li>Recognize reasoning and proof as fundamental aspects of mathematics;</li> </ul>	4, 9, 10, 19, 31, 41, 72, 77, 90, 109, 111, 123, 129, 139, 143	1, 2, 3, 5, 6, 8, 13, 14, 16, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 38, 40, 41, 46, 47, 48, 50, 51, 54, 55, 57, 59, 64, 70, 73, 76, 84, 88, 91, 98, 101, 103, 105, 106, 108, 111, 115, 116, 117, 118, 120, 121, 124, 125, 127, 130, 132, 133, 134, 135, 136, 138, 145, 147, 151  Activity 2, 8, 11
<ul style="list-style-type: none"> <li>Make and investigate mathematical conjectures;</li> </ul>	4, 10, 19, 41, 72, 77, 90, 123	Activity 2
<ul style="list-style-type: none"> <li>Develop and evaluate mathematical arguments and proofs;</li> </ul>	4, 10, 19, 41, 72, 77, 90, 123	Activity 2
<ul style="list-style-type: none"> <li>Select and use various types of reasoning and methods of proof.</li> </ul>	4, 10, 19, 41, 72, 77, 90, 123	Activity 2
<b>COMMUNICATION STANDARDS</b>		
<p>Organize and consolidate their mathematical thinking through communication;</p> <p>Communicate their mathematical thinking coherently and clearly to peers, teachers, and others;</p> <p>Analyze and evaluate the mathematical thinking and strategies of others;</p> <p>Use the language of mathematics to express mathematical ideas precisely.</p>	All Lessons apply	All Activities and Stretches apply
<b>CONNECTIONS STANDARDS</b>		
<p>Recognize and use connections among mathematical ideas;</p> <p>Understand how mathematical ideas interconnect and build on one another to produce a coherent whole;</p> <p>Recognize and apply mathematics in contexts outside of mathematics.</p>	All Lessons apply	All Activities and Stretches apply
<b>REPRESENTATION STANDARDS</b>		
<p>Create and use representations to organize, record, and communicate mathematical ideas;</p> <p>Select, apply, and translate among mathematical representations to solve problems;</p> <p>Use representations to model and interpret physical, social, and mathematical phenomena.</p>	All Lessons apply	All Activities and Stretches apply