

**A Harcourt Education Standard Correlation of Saxon Math K © 2008
To the National Council of Teachers of Mathematics Standards**

KINDERGARTEN			
NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS STANDARDS	INSTRUCTION	MAINTENANCE	ASSESSMENT
	MATHEMATICS		
Number and Operations Standard			
Understand numbers, ways of representing numbers, relationships among numbers, and number systems			
<p>•count with understanding and recognize "how many" in sets of objects;</p>	<p><u>New Concept</u> Lesson(s): 1, 2, 5, 6, 7, 8, 9, 15, 18, 19, 21, 22, 24, 27, 29, 35, 36, 38, 41, 44, 51, 58, 59, 61, 62, 64, 65, 67, 68, 69, 71, 73, 74, 77, 78, 80-1, 81, 89, 90-1, 91, 92, 94, 96, 97, 101, 104, 105, 106, 107, 108, 109, 110-1, 111, 113, 115, 116, 117, 118, 119, 120-1, 121, 122, 125, 127, 128, 130-1, 132, 134</p>	<p><u>The Meeting</u> Lesson(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25</p> <p><u>Lesson Practice</u> Lesson(s): 2, 5, 6, 7, 8, 9, 13, 14, 15, 16, 17, 18, 19, 21, 24, 27, 29, 31, 33, 35, 36, 38, 41, 44, 51, 58, 59, 61, 62, 64, 65, 67, 68, 69, 71, 72, 73, 81, 89, 91, 92, 94, 96, 98, 99, 104, 105, 113, 116, 117, 118, 119, 121, 122, 125, 126, 127, 131, 132</p> <p><u>Math Center Activities</u> Lesson(s): 2, 21, 24, 35, 42, 45, 47, 51, 61, 62, 68, 69, 73, 78, 81, 92, 96, 106, 113, 116, 118, 125</p>	<p><u>Oral Assessment</u> Lesson(s): 20, 120-2, 130-2</p>
<p>•use multiple models to develop initial understandings of place value and the base-ten number system;</p>	<p><u>New Concept</u> Lesson(s): 64, 65, 67, 68, 69, 74, 75, 76, 80-1, 81, 90-1, 120-1, 130-1, 132</p>	<p><u>The Meeting</u> Lesson(s): 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25</p> <p><u>Lesson Practice</u> Lesson(s): 65, 67</p>	<p><u>Oral Assessment</u> Lesson(s): 120-2</p>
<p>•develop understanding of the relative position and magnitude of whole numbers and of ordinal and cardinal numbers and their connections;</p>	<p><u>New Concept</u> Lesson(s): 6, 11, 15, 17, 21, 28, 30-1, 35, 36, 37, 38, 39, 40-1, 41, 46, 48, 49, 54, 59, 73, 74, 75, 81, 90-1, 98, 99, 102, 109, 110-1, 112, 118, 132</p>	<p><u>The Meeting</u> Lesson(s): 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25</p> <p><u>Lesson Practice</u> Lesson(s): 15, 28, 35, 36, 37, 39, 46, 48, 49, 53, 58, 61, 62, 75, 76, 93, 102, 109, 112</p> <p><u>Math Center Activities</u> Lesson(s): 21, 35, 38, 39, 62, 74, 99, 102, 111</p>	<p><u>Oral Assessment</u> Lesson(s): 80-2</p>
<p>•develop a sense of whole numbers and represent and use them in flexible ways, including relating, composing, and decomposing numbers;</p>	<p><u>New Concept</u> Lesson(s): 7, 8, 9, 13, 61</p>	<p><u>The Meeting</u> Lesson(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25</p>	<p><u>Oral Assessment</u> Lesson(s): 40-2</p>

**A Harcourt Education Standard Correlation of Saxon Math K © 2008
To the National Council of Teachers of Mathematics Standards**

KINDERGARTEN			
NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS STANDARDS	INSTRUCTION	MAINTENANCE	ASSESSMENT
MATHEMATICS			
Number and Operations Standard			
Understand numbers, ways of representing numbers, relationships among numbers, and number systems			
•connect number words and numerals to the quantities they represent, using various physical models and representations;	<u>New Concept</u> Lesson(s): 7, 8, 9, 13, 24, 39, 45, 47, 48, 49, 71, 75, 76, 80-1, 81, 94, 96, 98, 99, 102, 109, 111, 113	<u>The Meeting</u> Lesson(s): 20, 21, 22, 23, 24, 25 <u>Lesson Practice</u> Lesson(s): 5, 9, 13, 24, 41, 42, 74, 111, 114 <u>Math Center Activities</u> Lesson(s): 2, 24, 62, 76, 111	<u>Oral Assessment</u> Lesson(s): 30-2, 40-2, 50-2
•understand and represent commonly used fractions, such as $\frac{1}{4}$, $\frac{1}{3}$, and $\frac{1}{2}$.	<u>New Concept</u> Lesson(s): 70-1, 115, 132, 134	<u>Lesson Practice</u> Lesson(s): 103, 115, 134	<u>Oral Assessment</u> Opportunity to assess in First Grade.
Understand meanings of operations and how they relate to one another			
•understand various meanings of addition and subtraction of whole numbers and the relationship between the two operations;	<u>New Concept</u> Lesson(s): 73, 119, 127, 128, 131, 132	<u>Lesson Practice</u> Lesson(s): 18, 27, 44, 98, 117, 118, 119, 121, 122, 126, 127, 128	<u>Oral Assessment</u> Lesson(s): 110-2
•understand the effects of adding and subtracting whole numbers;	<u>New Concept</u> Lesson(s): 73, 119, 127, 128, 131, 132	<u>Lesson Practice</u> Lesson(s): 18, 27, 44, 98, 117, 118, 119, 121, 122, 126, 127, 128	<u>Oral Assessment</u> Lesson(s): 110-2
•understand situations that entail multiplication and division, such as equal groupings of objects and sharing equally.	<u>New Concept</u> Lesson(s): 70-1, 97, 102, 125	<u>Lesson Practice</u> Lesson(s): 97, 99 <u>Math Center Activities</u> Lesson(s): 97, 125	<u>Oral Assessment</u> Opportunity to assess in Lesson(s): 80-2, 100-2, 130-2
Compute fluently and make reasonable estimates			
•develop and use strategies for whole-number computations, with a focus on addition and subtraction;	<u>New Concept</u> Lesson(s): 18, 27, 44, 89, 119, 121, 127, 128	<u>Lesson Practice</u> Lesson(s): 121, 128	<u>Oral Assessment</u> Lesson(s): 110-2
•develop fluency with basic number combinations for addition and subtraction;	<u>New Concept</u> Opportunity to develop computation fluency in Lesson(s): 18, 27, 44, 89, 119, 121, 127, 128	<u>Lesson Practice</u> Lesson(s): 73, 98, 99, 117, 118	<u>Oral Assessment</u> Opportunity to assess in Lesson 110-2.
•use a variety of methods and tools to compute, including objects, mental computation, estimation, paper and pencil, and calculators.	<u>New Concept</u> Lesson(s): 18, 27, 44, 89, 119, 121, 127, 128	<u>Lesson Practice</u> Lesson(s): 117, 118, 121, 122, 128, 131, 132	<u>Oral Assessment</u> Lesson(s): 110-2

**A Harcourt Education Standard Correlation of Saxon Math K © 2008
To the National Council of Teachers of Mathematics Standards**

KINDERGARTEN			
NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS STANDARDS	INSTRUCTION	MAINTENANCE	ASSESSMENT
MATHEMATICS			
Algebra			
Understand patterns, relations, and function			
•sort, classify, and order objects by size, number, and other properties;	<u>New Concept</u> Lesson(s): 3, 4, 6, 11, 16, 17, 23, 26, 29, 32, 34, 54, 58, 83, 85, 93, 95, 105, 112, 113, 116, 123	<u>Lesson Practice</u> Lesson(s): 2, 9, 15, 16, 34, 123 <u>Math Center Activities</u> Lesson(s): 17, 22, 24, 34, 58, 83, 113	<u>Oral Assessment</u> Lesson(s): 60-2
•recognize, describe, and extend patterns such as sequences of sounds and shapes or simple numeric patterns and translate from one representation to another;	<u>New Concept</u> Lesson(s): 3, 4, 9, 25, 26, 33, 42, 43, 50-1, 52, 55, 60-1, 66, 88, 101	<u>The Meeting</u> Lesson(s): 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 <u>Meeting New Concept</u> Lesson(s): 9, 11, 14 <u>Lesson Practice</u> Lesson(s): 9, 25, 26, 52, 55, 88, 95, 101 <u>Meeting Math Center Activities</u> Lesson(s): 14 <u>Math Center Activities</u> Lesson(s): 9, 17, 25, 26, 52, 55, 88, 95, 101, 111	<u>Oral Assessment</u> Lesson(s): 70-2
•analyze how both repeating and growing patterns are generated.	<u>New Concept</u> Lesson(s): 9, 25, 26, 33, 55, 66, 101	<u>The Meeting</u> Lesson(s): 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 <u>Meeting New Concept</u> Lesson(s): 9, 11, 14 <u>Lesson Practice</u> Lesson(s): 9, 25, 26, 66 <u>Meeting Math Center Activities</u> Lesson(s): 14 <u>Math Center Activities</u> Lesson(s): 9, 66	<u>Oral Assessment</u> Opportunity to assess in Lesson 70-2.
Represent and analyze mathematical situations and structures using algebraic symbols			
•illustrate general principles and properties of operations, such as commutativity, using specific numbers;	<u>New Concept</u> Opportunity to teach in Lesson(s): 18, 27, 44, 89, 119, 121, 127, 128	<u>The Meeting</u> Opportunity to review during daily meetings.	<u>Oral Assessment</u> Opportunity to assess 110.2
•use concrete, pictorial, and verbal representations to develop an understanding of invented and conventional symbolic notations.	<u>New Concept</u> Lesson(s): 18, 27, 44, 89, 119, 121, 127, 128	<u>Lesson Practice</u> Lesson(s): 117, 118, 121, 122, 128, 131, 132	<u>Oral Assessment</u> Lesson(s): 110-2

**A Harcourt Education Standard Correlation of Saxon Math K © 2008
To the National Council of Teachers of Mathematics Standards**

KINDERGARTEN			
NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS STANDARDS	INSTRUCTION	MAINTENANCE	ASSESSMENT
MATHEMATICS			
Algebra			
Use mathematical models to represent and understand quantitative relationships			
•model situations that involve the addition and subtraction of whole numbers, using objects, pictures, and symbols.	<u>New Concept</u> Lesson(s): 18, 27, 44, 89, 119, 121, 127, 128	<u>Lesson Practice</u> Lesson(s): 121, 128	<u>Oral Assessment</u> Lesson(s): 110-2
Analyze change in various contexts			
•describe qualitative change, such as a student's growing taller;	<u>New Concept</u> Opportunity to teach in Lesson(s): 93, 131	<u>The Meeting</u> Opportunity to review during daily meetings.	<u>Oral Assessment</u> Opportunity to assess 110-2, 120-2, 130-2
•describe quantitative change, such as a student's growing two inches in one year.	<u>New Concept</u> Opportunity to teach in Lesson(s): 93, 131	<u>The Meeting</u> Opportunity to review during daily meetings.	<u>Oral Assessment</u> Opportunity to assess 110-2, 120-2, 130-2
Geometry Standard			
Analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematical arguments about geometric relationships			
•recognize, name, build, draw, compare, and sort two- and three-dimensional shapes;	<u>New Concept</u> Lesson(s): 3, 14, 15, 19, 23, 31, 32, 34, 37, 41, 43, 50-1, 54, 56, 57, 60-1, 61, 63, 65, 85, 86, 91, 93, 105, 108, 112, 113, 114, 115, 121, 123	<u>The Meeting</u> Lesson(s): 8, 10, 12, 13, 15, 17, 19, 21, 23, 25 <u>Lesson Practice</u> Lesson(s): 4, 15, 16, 19, 22, 23, 29, 31, 32, 37, 43, 54, 56, 57, 63, 85, 86, 115, 123, 129 <u>Math Center Activities</u> Lesson(s): 15, 29, 56, 63, 79, 86, 101, 105, 106, 108, 114	<u>Oral Assessment</u> Lesson(s): 10, 130-2
•describe attributes and parts of two- and three-dimensional shapes;	<u>New Concept</u> Lesson(s): 19, 23, 31, 57, 61, 63, 79, 85, 93, 103, 112, 123,	<u>Lesson Practice</u> Lesson(s): 4, 63, 79, 103	<u>Oral Assessment</u> Opportunity to assess during Lesson(s): 10, 130-2
•investigate and predict the results of putting together and taking apart two- and three-dimensional shapes.	<u>New Concept</u> Lesson(s): 14, 15, 29, 79, 104, 105, 108, 114	<u>Lesson Practice</u> Lesson(s): 14, 15, 79, 104, 108 <u>Math Center Activities</u> Lesson(s): 15, 29, 79, 108, 114	<u>Oral Assessment</u> Opportunity to assess in Lesson 130-2.
Specify locations and describe spatial relationships using coordinate geometry and other representational systems			
•describe, name, and interpret relative positions in space and apply ideas about relative position;	<u>New Concept</u> Lesson(s): 12, 23, 32, 43, 48, 54, 75, 114	<u>Lesson Practice</u> Lesson(s): 48, 53, 134	<u>Oral Assessment</u> Opportunity to assess in Lesson 80-2.
•describe, name, and interpret direction and distance in navigating space and apply ideas about direction and distance;	<u>New Concept</u> Lesson(s): 12, 32, 103, 126	<u>Lesson Practice</u> Lesson(s): 103 <u>Math Center Activities</u> Lesson(s): 126	<u>Oral Assessment</u> Opportunity to assess in Lesson 80-2.

**A Harcourt Education Standard Correlation of Saxon Math K © 2008
To the National Council of Teachers of Mathematics Standards**

KINDERGARTEN			
NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS STANDARDS	INSTRUCTION	MAINTENANCE	ASSESSMENT
MATHEMATICS			
Geometry Standard			
Specify locations and describe spatial relationships using coordinate geometry and other representational systems			
•find and name locations with simple relationships such as "near to" and in coordinate systems such as maps.	<u>New Concept</u> Lesson(s): 12, 23, 32, 43, 48, 54, 75, 114	<u>Lesson Practice</u> Lesson(s): 48, 53, 134	<u>Oral Assessment</u> Opportunity to assess in Lesson 80-2.
Apply transformations and use symmetry to analyze mathematical situations			
•recognize and apply slides, flips, and turns;	<u>New Concept</u> Lesson(s): 108, 114	<u>Lesson Practice</u> Lesson(s): 108 <u>Math Center Activities</u> Lesson(s): 108	<u>Oral Assessment</u> Opportunity to assess in Lesson 130-2.
•recognize and create shapes that have symmetry.	<u>New Concept</u> Lesson(s): 129, 134	<u>Lesson Practice</u> Lesson(s): 115, 129 <u>Math Center Activities</u> Lesson(s): 129	<u>Oral Assessment</u> Opportunity to assess in Lesson 130-2
Use visualization, spatial reasoning, and geometric modeling to solve problems			
•create mental images of geometric shapes using spatial memory and spatial visualization;	<u>New Concept</u> Lesson(s): 19, 63, 79	<u>Math Center Activities</u> Lesson(s): 63, 79	<u>Oral Assessment</u> Opportunity to assess in Lesson 130-2
•recognize and represent shapes from different perspectives;	<u>New Concept</u> Lesson(s): 56, 57, 79, 108, 104, 114	<u>Lesson Practice</u> Lesson(s): 56, 57, 79, 104, 108 <u>Math Center Activities</u> Lesson(s): 108	<u>Oral Assessment</u> Opportunity to assess in Lesson 130-2
•relate ideas in geometry to ideas in number and measurement;	<u>New Concept</u> Lesson(s): 23, 32, 43, 85	<u>Lesson Practice</u> Lesson(s): 15, 19, 23, 31, 32, 43, 85	<u>Oral Assessment</u> Opportunity to assess in Lesson 130-2
•recognize geometric shapes and structures in the environment and specify their location.	<u>New Concept</u> Lesson(s): 19, 31	<u>Lesson Practice</u> Lesson(s): 123	<u>Oral Assessment</u> Opportunity to assess in Lesson 130-2
Measurement Standard			
Understand measurable attributes of objects and the units, systems, and processes of measurement			
•recognize the attributes of length, volume, weight, area, and time;	<u>New Concept</u> Lesson(s): 45, 47, 83, 84, 87, 90-1, 120-1, 124, 125	<u>The Meeting</u> Lesson(s): 17, 19, 21, 23, 25 <u>Lesson Practice</u> Lesson(s): 45, 47, 124 <u>Math Center Activities</u> Lesson(s): 45, 47, 87, 124	<u>Oral Assessment</u> Lesson(s): 120-2
•compare and order objects according to these attributes;	<u>New Concept</u> Lesson(s): 53, 72, 83, 84, 87, 90-1, 93, 112, 120-1, 131	<u>Lesson Practice</u> Lesson(s): 83, 84, 87, 93, 112	<u>Oral Assessment</u> Lesson(s): 120-2

**A Harcourt Education Standard Correlation of Saxon Math K © 2008
To the National Council of Teachers of Mathematics Standards**

KINDERGARTEN			
NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS STANDARDS	INSTRUCTION	MAINTENANCE	ASSESSMENT
MATHEMATICS			
Measurement Standard			
Understand measurable attributes of objects and the units, systems, and processes of measurement			
•understand how to measure using nonstandard and standard units;	<u>New Concept</u> Lesson(s): 72, 78, 106, 120-1, 126, 131, 133	<u>Lesson Practice</u> Lesson(s): 72, 87, 106, 133 <u>Math Center Activities</u> Lesson(s): 72, 78, 87, 106, 126, 133	<u>Oral Assessment</u> Lesson(s): 120-2
•select an appropriate unit and tool for the attribute being measured.	<u>New Concept</u> Lesson(s): 77	<u>Lesson Practice</u> Opportunity to practice in Lesson(s): 77, 133	<u>Oral Assessment</u> Opportunity to assess in Lesson(s): 120-2
Apply appropriate techniques, tools, and formulas to determine measurements.			
•measure with multiple copies of units of the same size, such as paper clips laid end to end;	<u>New Concept</u> Lesson(s): 120-1, 126	<u>Lesson Practice</u> Lesson(s): 87, 106 <u>Math Center Activities</u> Lesson(s): 72, 106, 126	<u>Oral Assessment</u> Lesson(s): 120-2
•use repetition of a single unit to measure something larger than the unit, for instance, measuring the length of a room with a single meterstick;	<u>New Concept</u> Lesson(s): 72, 106	<u>Math Center Activities</u> Lesson(s): 72, 78, 87, 106, 126	<u>Oral Assessment</u> Opportunity to assess in Lesson(s): 120-2
•use tools to measure;	<u>New Concept</u> Lesson(s): 53, 106, 126, 131, 133	<u>Lesson Practice</u> Lesson(s): 77, 78, 133 <u>Math Center Activities</u> Lesson(s): 53, 72, 78, 87, 106, 126, 133	<u>Oral Assessment</u> Opportunity to assess in Lesson(s): 120-2
•develop common referents for measures to make comparisons and estimates.	<u>New Concept</u> Lesson(s): 53, 72, 83, 84, 85, 86, 87, 90-1, 120-1, 126, 131	<u>Lesson Practice</u> Lesson(s): 83, 84 <u>Math Center Activities</u> Lesson(s): 53, 83, 84	<u>Oral Assessment</u> Lesson(s): 120-2
Data Analysis and Probability Standard			
Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them			
•pose questions and gather data about themselves and their surroundings;	<u>New Concept</u> Lesson(s): 82, 107, 122, 135	<u>Lesson Practice</u> Opportunity to practice in Lesson(s): 82, 107, 122, 135	<u>Oral Assessment</u> Opportunity to assess in Lesson(s): 90-2
•sort and classify objects according to their attributes and organize data about the objects;	<u>New Concept</u> Lesson(s): 5, 6, 17, 22	<u>Lesson Practice</u> Lesson(s): 17 <u>Math Center Activities</u> Lesson(s): 22	<u>Oral Assessment</u> Lesson(s): 90-2
•represent data using concrete objects, pictures, and graphs.	<u>New Concept</u> Lesson(s): 5, 11, 17, 22, 58, 69, 82, 107, 122, 135	<u>Lesson Practice</u> Lesson(s): 6, 17, 22 <u>Math Center Activities</u> Lesson(s): 17, 58, 69, 73, 113	<u>Oral Assessment</u> Lesson(s): 90-2

**A Harcourt Education Standard Correlation of Saxon Math K © 2008
To the National Council of Teachers of Mathematics Standards**

KINDERGARTEN			
NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS STANDARDS	INSTRUCTION	MAINTENANCE	ASSESSMENT
MATHEMATICS			
Data Analysis and Probability Standard			
Select and use appropriate statistical methods to analyze data			
•describe parts of the data and the set of data as a whole to determine what the data show.	<u>New Concept</u> Lesson(s): 5, 11, 17, 22, 58, 82, 107, 122, 135	<u>Lesson Practice</u> Lesson(s): 6, 17, 107 <u>Math Center Activities</u> Lesson(s): 22, 58, 113	<u>Oral Assessment</u> Opportunity to assess in Lesson 90-2.
Develop and evaluate inferences and predictions that are based on data			
•discuss events related to students' experiences as likely or unlikely.	<u>New Concept</u> Lesson(s): 124	<u>Lesson Practice</u> Opportunity to practice after Lesson(s): 124	<u>Oral Assessment</u> Opportunity to assess in Lesson 130-2.