Kindergarten

NUMBERS AND OPERATIONS   DATE COMPLETED

Sequence numbers to 100.*	M
Recognize, read and write numbers to 100.*	M
Recognize number words, zero to ten.	M
Recognize, read and write numbers to 1000.*	I
Skip count by 10's.	M
Skip count by twos and fives.	I
Use decade words.	I
Count on from any number to 100.*	I
Use ordinal numbers to identify location.*	M
Use 1:1 correspondence.*	I
Identify a specific object in a collection - to count on.*	I
Count backward from 10.	M
Connect ordinal number to cardinal number - first through tenth.	M
Connect ordinal number to cardinal number - eleventh through twentieth.	I
Recognize, read and write place value: to the left of the decimal point - by one digit.	M
Recognize, read and write place value: to the left of the decimal point - by two digits.	I
Estimate - adding and subtracting.	I
Apply Commutative property of addition.	I
Use mental math - addition and subtraction.	I

Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1-20, count out that many objects.

Identify 'more than',' less than' and 'equal to'.*	M
Equalize sets.*	I
Use signs of equality and inequality, $<, >, \neq$ =.*	I
Identify "Set."	I
Compute sums to 10 using manipulatives - adding and subtracting.*	M

Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g. claps), acting out situations, verbal explanations, expressions or equations.

Represent addition and subtraction using the number line.	I

Kindergarten

	I=Introduce	D=Develop	I/D=Intro/Dev	M=Mastery	m=maintain

Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem*	I
Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., 5=2+3 and 5=4+1).	I
Master facts to 5 - addition and subtraction.*	M
Compute sums to 19 using manipulatives - adding and subtracting.*	I
Introduce facts to 12 - addition and subtraction.	I

Fractions

Demonstrate knowledge of 1/2, 1/3, 1/4.	I
Calculate equal parts of a whole.	I

ALBEBRA

Use algebraic and analytical methods to understand patterns and relationships:

By observing, describing, comparing and creating.	I
By sorting and classifying by characteristics.	I
By predicting what comes next, identifying the missing element.	I
By distinguishing between growing and repeating patterns.	I
By representing information numerically, graphically and verbally.	I
By discussing and analyzing change.	I
By measuring and comparing quantities.	I
By using tables and graphs	I

MEASUREMENT AND DATA

Describe and compare measurable attributes:

Measure geometric figures by: comparing, ordering objects without measuring tools.*	D
Describe and compare length and height.*	D
Describe and compare weight.*	D
Describe and compare distance, capacity, mass.	D
Compare objects using nonstandard units (i.e. length, weight, capacity, etc.).	M

Kindergarten

| I=Introduce | D=Develop | I/D=Intro/Dev | M=Mastery | m=maintain |

Time

Recognize, read and write: months, days of the week.	I	
Recognize, read and write: hour, half hour.	I	
Recognize and read digital, analog time.	I	
Create and interpret sequence of events, timelines.	I	
Recognize elapsed time without changing units.	I	
Recognize, tell, and count money: penny nickel, dime, dollar.	I	
To determine proper tool use of measurement: ruler, thermometer.	I	

Money

Read, write, and count money in dollars and cents.	I	

GEOMETRY

Identify and describe shapes.

Identify objects by location:

Above, below, before, after, between.	M	
Inside, outside, nearest, farthest.	M	
Left, right, north, south, east, west.	I	
Investigate and predict the result of: slide, turn, flip.	I	
Changing shapes.	I	
Describe, model, draw, and classify: point.	I	

Describe, model, draw and classify:

Triangles.	M	
Squares, rectangles.	M	
Pentagons, hexagons, octagons.	I	
Ellipse (oval).	M	
Circle.	M	
Semi-circle.	M	

Analyze, compare, create, and compose shapes:*

Cube, cylinder, sphere, cone.	I	
Describe symmetry, congruency.	I	

Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes.

Kindergarten

Compose simple shapes to form larger shapes, For example, "Can you join these two triangles with full sides touching to make a rectangle?"

Construct convincing arguments and proofs to solve problems using geometric figures and shapes.	I

STATISTICS AND PROBABILITY

Collect and describe data.	I
Organize and construct data.	I

Identify, draw, label and analyze:

Real graph (using actual objects).	I
Picture graph, bar graph.	I
Venn diagram.	I
Probability - single event.	I
Format questions; conduct experiments, surveys.	I
Demonstrate data collection methods.	I
Classify objects into given categories; count the number of objects in each category and sort the categories by count.	I

PROBLEM SOLVING

Analyze and plan the problem determining the appropriate strategy by:

Drawing a picture.	I
Creating original problems.	I
Determining if information is sufficient to solve.	I
Using tables, charts, graphs and diagrams.	I
Trial and error.	I
Working backwards.	I
Sorting, classifying and using patterns.	I
Using estimation.	I
Choosing correct operation.	I
Checking reasonableness.	I
Draw logical conclusions and communicate reasoning: using simple materials.	I
Use technology to draw conclusions and solve problems.	I