Item	Curriculum Outcome	Cognitive Level	Outcome Description
1	3N1/ 3PR1, 3PR2	L2	Identify next three elements in pattern
2	3N1/ 3PR 1, 2	L1	Describe the pattern rule for a given pattern
3	3N1/ 3PR 1, 2	L2	Identify missing element in a given pattern
4	3N2	L2	Represent a given number as an expression
5	3N13	L1	Name fraction for part of a whole
6	3N2	L1	Identify the word form for a given number
7	3N5	L1	Identify the value of a digit in a given number
8	3N2	L2	Identify a number represented with base-ten materials
9	3N2	L2	Interpret numbers in different ways (through use of number riddles)
10	3N3	L2	Compare and order whole numbers
11	3N3	L3	Identify an incorrectly placed number on a number line
12	3N5	L2	Identify a number represented on a place value chart

13	3N5	L2	Demonstrate an understanding of base ten groupings in different ways
14	3N13	L1	Identify a representation for a given fraction
15	3N9	L2	Subtract 2 –digit numbers with regrouping
16	3N6/3N9	L2	Add 2-digit numbers with regrouping
17	3N7/3N9	L2	Use estimation strategies to find best answer
18	3N9	L2	Add two 3-digit numbers with regrouping
19	3N9	L2	Solve problems with subtraction
20	3PR3	L2	Solve one step addition with a symbol to represent unknown number
21	3N6	L1	Identify strategies for adding two 2-digit numerals
22	3N12	L2	Solve problems with division
23	3N11	L2	Solve problems with multiplication
24	3N12	L1	Relate division equation to multiplication
25	3N11	L1	Recognize multiplication as equal groupings
26	3SS1	L1	Relate the passage of time to standard units of minutes, hours, days

27	3SS1	L2	Relate the passage of time to standard units of minutes, hours, days
28	3SS2	L2	Relate a number of minutes to hours
29	3SS4	L2	Estimate and measure mass in grams and kilograms
30	3SS3	L1	Determine the best unit of measure for the length of a given object
31	3SS3	L1	Estimate and measure length in centimetres or metres
32	3SS5	L2	Find the perimeter of an irregular shape
33	3SS6	LI	Determine number of faces, vertices, and edges a 3-d object has
34	3SS6	L2	Determine number of faces, vertices, and edges a 3-d object has
35	3SS7	L2	Sort regular and irregular polygons
36	3SS7	L2	Determine sorting rule for various polygons

Number Concepts- Closed Constructed Items

37 1a	3N3	L2	Place a given number on a number line
38 1b	3N3	L3	Explain how the number was placed on number line
39 2a	3N2 3N5	L1	Demonstrate an understanding of base-ten groupings by representing numbers pictorially
40 2b	3N2 3N5	L2	Demonstrate an understanding of number by representing numbers pictorially in more than one way
41 3a	3N2 3N5	L2	Represent pictorially the meaning of place value for a given numeral
42 3b	3N2 3N5	L3	Explain the meaning of digits in a given number

Shape and Space- Closed Constructed Items

43 1a	3SS6	L2	Identify and describe given 3-D objects
44 1b	3SS6	L2	Identify and describe given 3-D objects
45 1c	3SS6	L1	Describe 3-D objects according to the shape of the faces and the number of edges and vertices.
46 1d	2SS7	L2	Describe 3-D objects according to the shape of the faces and the number of edges and vertices.

47 2	3SS7	L1	Identify regular and irregular polygons according to the number of sides
48 3	3SS3	L2	Draw a line segment of a given length
49 4	3SS3	L2	Choose the unit of measure to determine the length of given objects
50 5a	3SS4	L2	Determine the mass of an object through the use of a balance scale.
51 5b	3SS4	L2	Determine the mass of an object through the use of a balance scale.
52 5c	3SS4	L2	Choose the unit of measure for the mass of given objects
53 6	3SS5	L3	Construct different shapes for a given perimeter
60	3N7/3N9/3N10	L3	Estimate in addition and subtraction situations
61	3N11	L3	Solve problems involving multiplication and recognize meanings for multiplication
62	3N12	L3	Solve problems involving division and recognize meanings for division
63	3N9	L3	Solve and create addition and subtraction problems

Mental Math

54 1	3N6, 3N10	L1	Recall a basic addition fact
55 2	3N7, 3N9	L2	Subtract 2 two-digit numbers

56	3	3N1, 3N2	L3	Determine the value of a given set of coins
57	4	3N7	L2	Use double ten frames to find missing addend
58	5	3N8, 3N9	L2	Apply estimation strategies to find sum of 2 numbers
59	6	3N8, 3N9	L2	Apply estimation strategies to find the difference between two numbers

Cognitive Levels of Learning

Level 1	*Knowledge*	The ability to recall learned materials. It can range from the recall of simple facts to complete theories. It represents the lowest level of learning outcome, requiring only that the student recall previously learned information.
	Comprehension	The ability to grasp the meaning of material learned. The student may show understanding of the material by translating it from one form to another by conveying meaning, or by making summary statements about it.
Level 2	*Application*	The ability to use learned materials in new and concrete situations. The student is required to apply rules, concepts, principles, laws, or theories.
Level 3	*Analysis*	The ability to break material down into its component parts so that its organizational structure may be understood. The student demonstrated attainment of objectives through the ability to identify parts, show relationships, and recognize organizational principles.
	Synthesis	The ability to put parts together to form a new whole. The student demonstrated an ability to devise a new plan of operation, or to produce a set of abstract relations.
	Evaluation	The ability to judge the value of materials. The student might be required to judge the value of a statement, a piece of prose, a poem, an advertisement or a research report.