



Northwest Evaluation Association

Partnering to help all kids learn

# Guidelines for Placing Students MAP<sup>®</sup> for Primary Grades

MAP<sup>®</sup> for Primary Grades assessments were created by Northwest Evaluation Association<sup>™</sup> (NWEA<sup>™</sup>) to give the primary grade teacher a more effective means of determining classroom grouping for differentiated instruction, designing curriculum, and diagnosing student needs than a one-on-one assessment between teacher and student. The assessments include *Screening*, *Skills Checklist*, and *Survey w/ Goals* tests. This document describes the use of these assessments, the test functionality, and content.

## Screening Assessments

Diagnostic tests with results reporting in number correct.

The Screening assessments, developed for students at the earliest stages of learning reading and mathematics, particularly kindergarten, are used to measure the foundational skills of letter and number understanding. The assessment is designed to adjust to more challenging or more basic questions depending on the need of the student as he or she proceeds through the assessment.

These tests can be administered many times during the school year to give a snapshot of the actual learning that is taking place around these foundational skills and concepts.

One Reading Assessment:

- **PRI-READ-Screening (Early Literacy)**

One Mathematics Assessment:

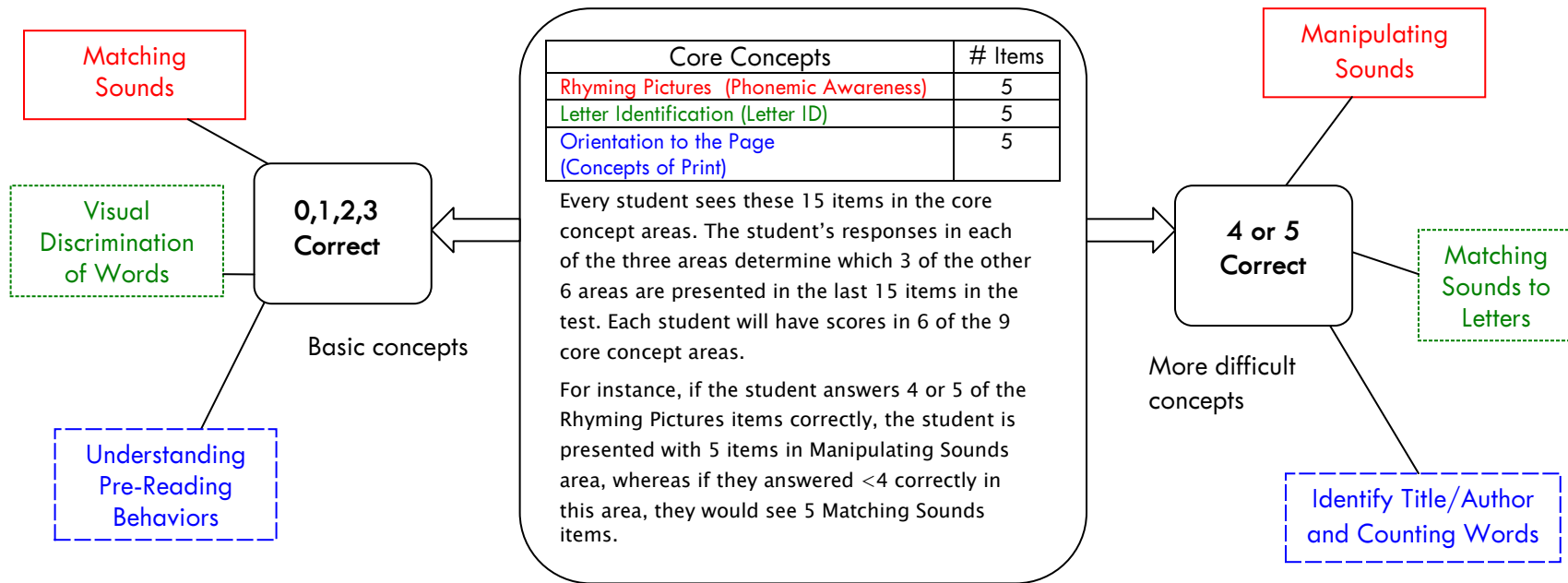
- **PRI-MATH-Screening (Early Numeracy)**

**This type of assessment is most often administered one-on-one as beginning students enter school. Gathering this information one-on-one takes considerable teacher time for the assessment and the reporting tasks. Using the Screening assessments to gather the information should be more efficient and return hours of valuable instructional time to the teachers.**

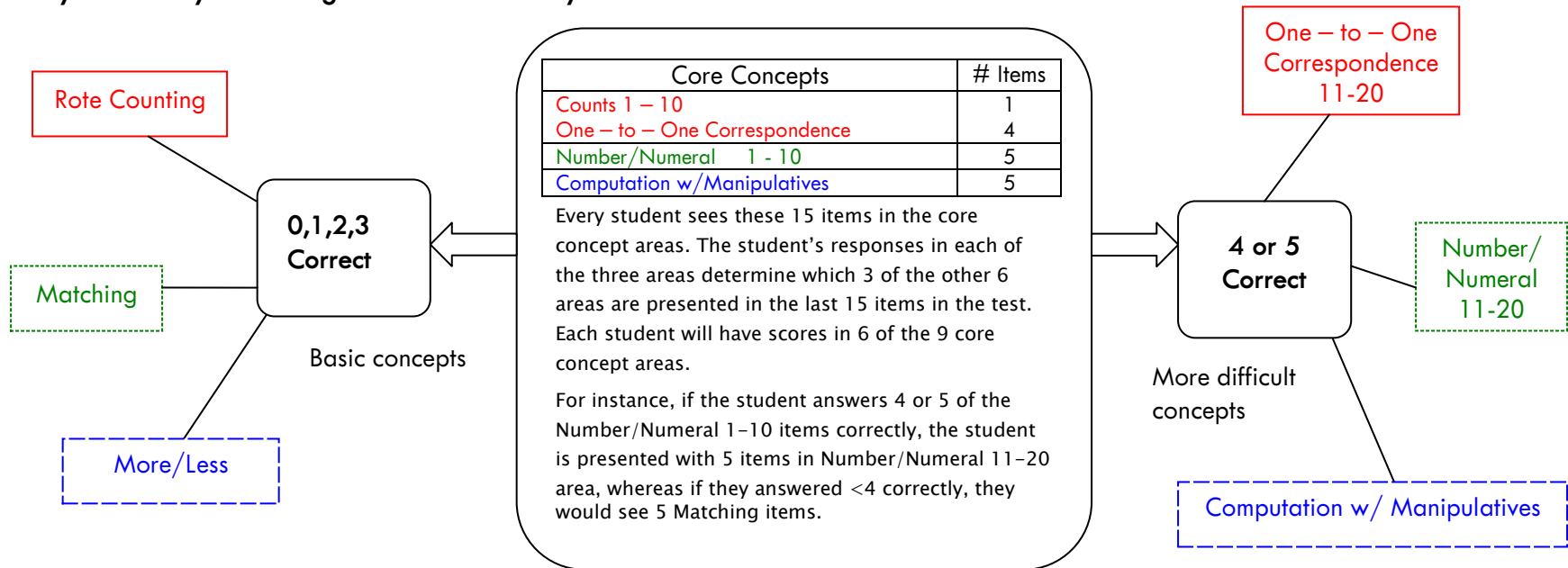
<b>Reading</b> <b>Early Literacy Screening</b> (2 familiarization items, 30 test items, 1 good job item)
Phonological Awareness: Matching Sounds, Rhyming, And Manipulating Sounds
Visual Discrimination/Phonics: Visual Discrimination, Letter Identifications, and Matching Sounds to Letters
Concepts of Print Understanding Pre-Reading Behaviors, Orientation to the Page, Identify Title/Author, and Counting Words

<b>Mathematics</b> <b>Early Numeracy Screening</b> (3 familiarization items, 30 test items, 1 good job item)
Rote Counting – Counts to a Number
One-to-One Correspondence 1-10, 11-20
Matches and Identifies Numerals 1-10, 11-20
Identifies Numbers of Objects – More/Fewer
Computes with Manipulatives – Moving Objects
Computes with Manipulatives – Numerical Answer

## Early Literacy Screening - Test Functionality



## Early Numeracy Screening – Test Functionality



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## Skills Checklist Assessments

Diagnostic tests with results reported in both percent and number correct.

The Skills Checklist assessments extend student assessment beyond the Screening assessments and are used to inform instruction relative to the skills of phonological awareness, phonemic awareness, letter identification, phonics, number sense and computation in reading and mathematics, respectively.

Test functionality in the Reading Skills Checklist tests will randomly present all the test items in the assessment to each student.

Test functionality in the Mathematics Computation Skills Checklist tests will randomly present items and automatically stop after the first 10 items, if the student is not scoring at least 60% at that point in the test. Students who answer 60% or more of the first 10 items correctly will then see all the remaining items in the test. This should give the teacher the maximum amount of information about which Mathematics concept the student does and does not understand in the various subgoals without frustrating the lower performing students.

### Ten Reading Assessments:

- PRI-READ-Skills (ConsonantBlends/Digraphs)
- PRI-READ-Skills (Decode:Multi-SyllableWords)
- PRI-READ-Skills (Decode:Patterns/WordFamilies)
- PRI-READ-Skills (LetterIdentification)
- PRI-READ-Skills (Manipulation of Sounds)
- PRI-READ-Skills (Matching Letters to Sounds)
- PRI-READ-Skills (PhonemeIdentification)
- PRI-READ-Skills (PhonologicalAwareness)
- PRI-READ-Skills (SyllableTypes:CVC,CVCe,R-Control)
- PRI-READ-Skills (VowelDigraphs/Diphthongs)

### Twenty-eight Mathematics Assessments:

- PRI-MATH-Skills (Comp:10-UsingManipulatives)
- PRI-MATH-Skills (Comp:10-UsingNumbers)
- PRI-MATH-Skills (Comp:10-ProblemSolving)
- PRI-MATH-Skills (Comp:20-UsingManipulatives)
- PRI-MATH-Skills (Comp:20-UsingNumbers)
- PRI-MATH-Skills (Comp:20-ProblemSolving)
- PRI-MATH-Skills (Comp:100-NoRegroup-UsingManip)
- PRI-MATH-Skills (Comp:100-NoRegroup-UsingNumbers)
- PRI-MATH-Skills (Comp:100-NoRegroup-ProbSolving)
- PRI-MATH-Skills (Comp:100-w/Regroup-UsingManip)
- PRI-MATH-Skills (Comp:100-w/Regroup-UsingNumbers)
- PRI-MATH-Skills (Comp:100-w/Regroup-ProbSolv/Estim)
- PRI-MATH-Skills (Comp:1000-UsingManipulatives)
- PRI-MATH-Skills (Comp:1000-UsingNumbers)
- PRI-MATH-Skills (Comp:1000-ProbSolv/Estim)
- PRI-MATH-Skills (NumSense:10-Count, Order, PlaceVal)
- PRI-MATH-Skills (NumSense:10-Representation)
- PRI-MATH-Skills (NumSense:20-Count, PlaceValue)
- PRI-MATH-Skills (NumSense:20-Representation)
- PRI-MATH-Skills (NumSense:20-Ordering)
- PRI-MATH-Skills (NumSense:100-Count)
- PRI-MATH-Skills (NumSense:100-Representation)
- PRI-MATH-Skills (NumSense:100-Ordering)
- PRI-MATH-Skills (NumSense:100-PlaceValue)
- PRI-MATH-Skills (NumSense:1000-Count)
- PRI-MATH-Skills (NumSense:1000-Representation)
- PRI-MATH-Skills (NumSense:1000-Ordering)
- PRI-MATH-Skills (NumSense:1000-PlaceValue)

This type of assessment is most often administered one-on-one teacher to student to gather information about attainment of skills before and/or after instruction. Gathering this information one-on-one takes considerable teacher time for the assessment and the reporting tasks. Using the Skills Checklist assessments to gather the information should be more efficient and return hours of valuable instructional time to the teacher.

## Reading – Skills Checklist Assessments

<b>Decoding: Consonant Blends/Digraphs</b> (1 familiarization item, 47 test items, 1 good job item)
Initial and Final Blends
Initial and Final Digraphs

<b>Phonics: Matching Letters to Sounds</b> (1 familiarization item, 31 test items, 1 good job item)
Consonant Sounds
Vowel Sounds

<b>Decoding: Multi-Syllable Words, Affixes, Open/C+le</b> (1 familiarization item, 30 test items, 1 good job item)
Inflectional Endings
Prefixes and Suffixes
Open and Closed/C+le Syllables

<b>Phonemic Awareness: Phoneme Identification</b> (1 familiarization item, 44 test items, 1 good job item)
Initial Consonants
Final Consonants
Middle Vowels

<b>Decoding: Spelling Patterns/Word Families</b> (1 familiarization item, 18 test items, 1 good job item)
Word Families

<b>Phonological Awareness</b> (1 familiarization item, 35 test items, 1 good job item)
Rhyming
Identifying Number of Syllables (one, two, and three)
Blending

<b>Letter Identification</b> (1 familiarization item, 52 test items, 1 good job item)
Upper Case
Lower Case

<b>Syllable Types: CVC, CVCe, R-Controlled</b> (1 familiarization item, 14 test items, 1 good job item)
CVC
CVCe
R-Controlled

<b>Phonemic Awareness: Manipulation of Sounds</b> (1 familiarization item, 35 test items, 1 good job item)
Blending of Sounds
Substitution of Sounds: Beginning, Middle, and End
Deletion of Sounds

<b>Syllable Types: Vowel, Digraphs/Diphthongs</b> (1 familiarization item, 21 test items, 1 good job item)
Digraphs
Diphthongs

## Mathematics – Skills Checklist Assessments

<b>Computation to 10 – Using Manipulatives</b> (1 familiarization item, 20 test items, 1 good job item)
Addition:
Computation and Story Problems – Using Manipulatives
Subtraction:
Computation and Story Problems – Using Manipulatives

<b>Number Sense to 10 – Counting, Ordering, Place Value</b> (3 familiarization items, 31 test items, 1 good job item)
Counts to 10 – Forwards and Backwards
One-to-One Correspondence
Identifies position – First, Last and 1st – 10th
Compares Numbers using Words
Groups Objects into 10s

<b>Computation to 10 – Using Numbers</b> (1 familiarization item, 25 test items, 1 good job item)
Addition: Two 1-digit numbers – horizontal and vertical
Addition: Three 1-digit numbers
Subtraction: Two 1-digit numbers – horizontal and vertical

<b>Number Sense to 10 – Identifying/Representing</b> (3 familiarization items, 34 test items, 1 good job item)
Names Numerals
Represents numerals correctly
Composes and Decomposes Numbers
Identifies or Represents Whole, Part of, Half
Identifies a Penny, a Nickel, and a Dime
Identifies name of Coin worth 1¢, 5¢, 10¢

<b>Computation to 10 – Problem Solving</b> (1 familiarization item, 10 test items, 1 good job item)
Addition: Story Problems – Result unknown
Subtraction: Story Problems – Result unknown

<b>Number Sense to 20 – Counting, Place Value</b> (2 familiarization items, 24 test items, 1 good job item)
Counts by 1s, 2s, and 5s
Counts backwards
Counts on from any number by 1s
One-to-One Correspondence
Groups objects into 10s and 1s

<b>Computation to 20 – Using Manipulatives</b> (1 familiarization item, 20 test items, 1 good job item)
Addition:
Computation and Story Problems – Using Manipulatives
Subtraction:
Computation and Story Problems – Using Manipulatives

<b>Number Sense to 20 – Identifying/Representing</b> (3 familiarization items, 34 test items, 1 good job item)
Identifies numerals and represents numbers
Composes and decomposes numbers
Identifies multiple ways of representing numbers
Identifies or Represents $\frac{1}{4}$ , $\frac{2}{4}$ , $\frac{3}{4}$ , $\frac{4}{4}$

<b>Computation to 20 – Using Numbers</b> (1 familiarization item, 25 test items, 1 good job item)
Addition: Two 1-digit numbers – horizontal and vertical
Addition: Three 1-digit numbers
Subtraction: Two 1-digit numbers – horizontal and vertical

<b>Number Sense to 20 - Ordering</b> (1 familiarization item, 30 test items, 1 good job item)
Identifies position – 11th to 20th
Compares numbers 1-20 using words
Identifies number 1 more/less than a given number
Identifies numbers between two given numbers
Compares the value of one coin to another – penny, nickel, dime

<b>Computation to 20 – Problem Solving</b> (1 familiarization item, 10 test items, 1 good job item)
Addition: Story Problems – Result unknown
Subtraction: Story Problems – Result unknown

<b>Number Sense to 100 - Counting</b> (1 familiarization item, 21 test items, 1 good job item)
Counts on by 1s, 2s, 5s, and 10s
Counts by 10s to 100

## Mathematics – Skills Checklist Assessments

<b>Computation to 100 – No Regrouping – Using Manipulatives</b> (1 familiarization item, 20 test items, 1 good job item)
Addition and Subtraction – Using Manipulatives
Multiplication – Using Manipulatives
Division – Using Manipulatives

<b>Number Sense to 100 – Identifying/Representing</b> (2 familiarization items, 35 test items, 1 good job item)
Identifies numerals
Represents numbers
Composes and Decomposes numbers
Identifies multiples ways of representing numbers
Fractions – thirds
Money

<b>Computation to 100 – No Regrouping – Using Numbers</b> (1 familiarization item, 35 test items, 1 good job item)
Addition: 1- or 2- digit numbers – horizontal/vertical
Addition: Multiple 1- and 2- digit numbers
Subtraction: Two 1- or 2- digit numbers – horizontal/vertical
Multiplication: Basic Facts – horizontal/vertical

<b>Number Sense to 100 - Ordering</b> (1 familiarization item, 25 test items, 1 good job item)
Compares numbers
Identifies number 1 > and < a given number
Identifies numbers between two given numbers
Orders and compares the value of coins

<b>Computation to 100 – No Regrouping – Problem Solving</b> (1 familiarization item, 25 test items, 1 good job item)
Addition: Story Problems – Result unknown
Addition: Story Problems – Start or change unknown
Addition: Story Problems – Multiple numbers
Subtraction: Story Problems – Result unknown
Subtraction: Story Problems – Start or Change unknown

<b>Number Sense to 100 – Place Value</b> (1 familiarization item, 20 test items, 1 good job item)
Identifies standard form name
Identifies number of sets given pictures
Identifies number of sets given numbers
Reorganizes groups of 10s and 1s

<b>Computation to 100 – With Regrouping–Using Manipulatives</b> (1 familiarization item, 20 test items, 1 good job item)
Addition and Subtraction – Using Manipulatives
Multiplication – Using Manipulatives
Division – Using Manipulatives

<b>Number Sense to 1000 – Counting</b> (1 familiarization item, 24 test items, 1 good job item)
Counts by 3s
Counts on by 2s and 5s
Counts by 10s and 100s from numbers $\leq 100$ and $\geq 100$
Counts by 10s from any multiple of 10
Counts on by 10s from any number

<b>Computation to 100 – With Regrouping – Using Numbers</b> (1 familiarization item, 35 test items, 1 good job item)
Addition: 1- or 2- digit numbers – horizontal/vertical
Addition: Multiple 1- and 2- digit numbers
Subtraction: Two 1- or 2- digit numbers – horizontal/vertical
Multiplication: 2-digit numbers <20 by a 1-digit number
Division: Basic Facts

<b>Number Sense to 1000 – Identifying/Representing</b> (3 familiarization items, 30 test items, 1 good job item)
Identifies numerals
Represents numbers
Composes and decomposes
Identifies multiple ways of representing numbers
Fractions – eights
Money

## Mathematics – Skills Checklist Assessments

<b>Computation to 100 – With Regrouping – Problem Solving/Estimation</b> (3 familiarization items, 35 test items, 1 good job item)
Addition: Story Problems and Estimation
Subtraction: Story Problems and Estimation

<b>Number Sense to 1000 – Ordering</b> (1 familiarization item, 35 test items, 1 good job item)
Compares numbers using words and symbols
Identifies number 10 less/more than a given number
Identifies number 100 less/more than a given number
Identifies numbers between two given numbers

<b>Computation to 1000 – Using Manipulatives</b> (1 familiarization item, 20 test items, 1 good job item)
Addition: Using Manipulatives
Subtraction: Using Manipulatives
Multiplication: Using Manipulatives
Division: Using Manipulatives (with remainders)

<b>Number Sense to 1000 – Place Value</b> (2 familiarization items, 20 test items, 1 good job item)
Groups objects into 100s, 10s, and 1s
Identifies the number of 100s, 10s, and 1s in a number
Identifies the standard form of a number from expanded form
Identifies multiples ways of showing the same number using place value

<b>Computation to 1000 – Using Numbers</b> (2 familiarization items, 20 test items, 1 good job item)
Addition: Sums to 1000
Subtraction: Minuend < 1000
Multiplication: 2- or 3-digit number by a 1- or 2-digit number
Division: Numbers 100 or less by a 1- or 2-digit number

<b>Computation to 1000 – Problem Solving and Estimation</b> (3 familiarization items, 30 test items, 1 good job item)
Addition: Story problems and estimation
Subtraction: Story Problems and Estimation
Multiplication: Story Problems
Division: Story Problems

# Survey w/ Goals Assessments

Adaptive tests with results reported in RIT scores.

The Survey w/ Goals segment tests adapt to the level of difficulty appropriate for the student, and when combined, provide RIT scores which may be used to measure growth from fall-to-spring and year-to-year. If a student takes both test segments in a subject area within 28 days, they will be automatically combined.

The RIT scores assist teachers in identifying skills that are most appropriate for instruction based on the student's individual performance regardless of whether the student is at, above, or below grade level.

By presenting only three goal areas in each test segment, this limits the number of items presented to the primary grades student. The two Reading test segment scores and two Mathematics test segment scores, respectively, are combined to give a single RIT score in each measurement scale for the student. This RIT score can then be used with the **Primary Grades Instructional Data** to group students for differentiated instruction, develop curriculum and diagnose individual student instructional needs.

Reading comprehension test segment does require the student to be able to read the passages independently and answer options. The RIT to Reading Range is calculated based on the Vocabulary, Word Structure, and Comprehension test.

Two Reading Assessments:

- PRI-READ-Survey w/Goals (PhonAware,Phonic,ConPrnt)
- PRI-READ-Survey w/Goals (Vocab,Comprehen,Writing)

Two Mathematics Assessments:

- PRI-MATH-Survey w/Goals (PrSolv,NumSense,Comp)
- PRI-MATH-Survey w/Goals (Meas/Geo,Stat/Prob,Alg)

## Reading – Survey w/ Goals Assessments

<b>Phonological Awareness, Phonics, Concepts of Print</b> (4 familiarization items, 30 test items, 1 good job item)
Phonological Awareness:
Phoneme Identification
Blending
Rhyming
Phonemic Manipulation of Sounds and Syllabication
Phonics:
Consonants
Vowel Patterns
Spelling Patterns and Rhyming
Sound Manipulation and Syllabication
Concepts of Print
Developmental Reading and Writing Skills
Environmental Print

<b>Vocabulary and Word Structure, Comprehension, &amp; Writing</b> (4 familiarization items, 30 test items, 1 good job item)
Vocabulary and Word Structure:
Sight Words
Content Vocabulary and Context Clues
Synonyms, Antonyms, Homonyms, Homographs, Homophones
Base Words, Prefixes, Suffixes
Compound Words, Contractions
Comprehension:
Literal, Interpretive, and Evaluative Comprehension
Writing:
Writing Process and Conventions of Language
Language Structure, Phrase, Sentence, Paragraph
Grammatical Patterns

## Mathematics – Survey w/ Goals Assessments

<b>Problem Solving, Number Sense, Computation</b> (4 familiarization items, 30 test items, 1 good job item)
Problem Solving:
Understand and represent Word Problems
Solution Strategies and Verification of Answers
Logic, Reasoning, Conjectures, and Proof
Number Sense:
Count
Identify, Represent: Whole Numbers, Fractions
Relative Position and Magnitude
Place Value and Base-Ten System
Computation:
Addition and Subtraction
Readiness for Multiplication and Division

<b>Measurement/Geometry, Statistics/Probability, Algebra</b> (4 familiarization items, 30 test items, 1 good job item)
Measurement and Geometry:
Attributes, Compare, Order, Tools, Unites
Measure and Estimation
Identify, Attributes – Lines, 2-D, 3-D
Spatial, Transformations, Symmetry, Congruence
Statistics and Probability:
Data Collection, Organization, and Display
Data Analysis
Probability and Predictions
Algebra:
Attributes, Patterns, and Functions
Understanding and Application of Algebraic Concepts

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