MAP® for Primary Grades (MPG) Assessment Content

Reading & Mathematics, K – 2

MAP for Primary Grades (MPG) is not a single assessment, but a suite that comes with three computer-based assessment components:

- Screening
- Skills Checklists
- Survey with Goals

Survey with Goals (adaptive, appropriate for universal screening and growth measurement) is the central component, which can be supplemented with use of the Screening tests and Skills Checklists to dig more deeply into foundational skills throughout the year.

The **Screening** assessments provide baseline information for new students in the earliest stages of learning (e.g. in Kindergarten).

The **Skills Checklist** assessments provide information about specific skills and concepts (e.g. phonological awareness, phonics and concepts of print within reading and number sense and computation within mathematics). They can be administered as many times as necessary during the school year, at the teacher's discretion. For instance, they can be used in between growth assessments to determine which skills require the greatest focus.

Just like the Survey with Goals assessment within MAP, **Survey with Goals** within MPG is recognized by the National Center for RTI as a universal screening tool. It adapts to the level of difficulty appropriate for each student, and is designed to be administered three times a year (fall, winter, spring). It provides growth data (using the stable RIT scale to track growth within and across grades), and a Lexile® range for reading. Teachers use this adaptive assessment to identify skills most appropriate for instruction based on each student's performance, regardless of whether the student is at, above, or below grade level. The key content areas covered are:

Literacy	Mathematics
Phonological Awareness	Problem Solving
Phonics	Number Sense
Concepts of Print	Computation
Vocabulary and Word Structure	Measurement and Geometry
Comprehension	Statistics and Probability
Writing	Algebra

Following is a breakdown of the skills assessed in each of these three MAP for Primary Grades assessments.

Screening

There are two screening assessments: one for early literacy and another for mathematics. The numbers in parentheses represent the number of items on each assessment.

Early Literacy (33 items)

Phonological Awareness
Matching Sounds
Rhyming
Manipulating Sounds

Visual Discrimination/Phonics
Visual Discrimination
Letter Identifications
Matching Sounds to Letters

Concepts of Print
Understanding Pre-Reading Behaviors
Orientation to the Page
Identify Title/Author
Counting Words

Early Numeracy (34 items)

Number Sense
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

Computation
Computes with Manipulatives - Moving Objects
Computes with Manipulatives - Numerical Answer

Skills Checklists

There is an individual assessment for each skill area (each identified by a separate box below). The numbers in parentheses represent the number of items on each assessment.

Reading

Phonological Awareness (37)
Rhyming
Identifying Number of Syllables (one, two, and three)
Blending

Letter Identification (54)
Upper Case and Lower Case

Phonemic Awareness: Phoneme Identification (46)
Initial and Final Consonants
Middle Vowels

Phonemic Awareness: Manipulation of Sounds (37)
Blending of Sounds
Substitution of Sounds: Beginning, Middle, and End
Deletion of Sounds

Phonics: Matching Letters to Sounds (33)
Consonant and Vowel Sounds

Syllable Types: Vowel, Digraphs/Diphthongs (23)
Digraphs and Diphthongs

Syllable Types: CVC, CVCe, R-Controlled (16)
CVC and CVCe
R-Controlled

Decoding Consonant Blends/Digraphs (49)
Initial and Final Blends
Initial and Final Digraphs

Decoding: Spelling Patterns/Word Families (20)
Word Families

Decoding: Multi-Syllable Words, Affixes, Open/C+le (33)
Inflectional Endings
Prefixes and Sufixes
Open and Closed/C+le Syllables

Mathematics

Number Sense to 10 - Counting, Ordering, Place Value (35)
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

Number Sense to 10 - Identifying/Representing (38)
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¢

Number Sense to 20 - Counting, Place Value (27)
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

Number Sense to 20 - Ordering (32)
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

Number Sense to 100 - Counting (23)
Counts on by 1s, 2s, 5s, and 10s
Counts by 10s to 100

Number Sense to 100 - Identifying/Representing (38)
Identifies numerals and represents numbers
Composes and decomposes numbers
Identifies multiple ways of representing numbers
Fractions - thirds
Money

Number Sense to 100 - Ordering (27)
Compares numbers
Identifies number 1 > and < a given number
Identifies numbers between two given numbers
Orders and compares the value of coins

Number Sense to 100 - Place Value (22)
Identifies standard form name
Identifies number of sets given pictures
Identifies number of sets given numbers
Reorganizes groups of 10s and 1s

Number Sense to 1000 – Counting (26)

Counts by 3s
Counts on by 2s and 5s
Counts by 10s and 100s from numbers < 100 and > 100
Counts by 10s from any multiple of 10
Counts on by 10s from any number

Number Sense to 1000 – Identifying/Representing (34)

Identifies numerals and represents numbers
Composes and decomposes
Multiple ways of representing numbers
Fractions - eighths
Money

Number Sense to 20 – Identifying/Representing (38)

Identifies numerals and represents numbers
Composes and decomposes numbers
Identifies multiple ways of representing numbers
Identifies or represents 1/4, 2/4, 3/4, 4/4

Number Sense to 1000 – Ordering (37)

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

Number Sense to 1000 – Place Value (23)

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 multiple ways of showing the same number using place value

Computation to 10 – Using Manipulatives (22)

Addition: Computation and story problems - using manipulatives
Subtraction: Computation and story problems - using manipulatives

Computation to 10 – Using Numbers (27)

Addition - two 1-digit numbers - horizontal and vertical
Addition - three 1-digit numbers
Subtraction - two 1-digit numbers- horizontal and vertical

Computation to 10 – Problem Solving (12)

Addition: story problems
Subtraction: story problems

Computation to 20 – Using Manipulatives (22)

Addition: Computation and story problems - using manipulatives
Subtraction: Computation and story problems - using manipulatives

Computation to 20 – Using Numbers (27)

Addition - two 1-digit numbers - horizontal and vertical
Addition - three 1-digit numbers
Subtraction - two 1-digit numbers- horizontal and vertical

Computation to 20 – Problem Solving (12)

Addition: story problems
Subtraction: story problems

Computation to 100 – No Regrouping – Using Manipulatives (22)

Addition and Subtraction - using manipulatives
Multiplication - using manipulatives
Division - using manipulatives

Computation to 100 – No Regrouping – Using Numbers (37)

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

Computation to 100 – No Regrouping – Problem Solving (27)

Addition: story problems
Subtraction: story problems

Computation to 100 – w/Regrouping – Using Manipulatives (22)

Addition and Subtraction - using manipulatives
Multiplication - using manipulatives
Division - using manipulatives

Computation to 100 – w/Regrouping – Using Numbers (37)

Addition - two 1- or 2- digit numbers - horizontal and vertical
Addition - multiple 1- and 2- digit numbers
Subtraction - two 1- or 2- digit numbers - horizontal and vertical
Multiplication - 2- digit numbers <20 by a 1-digit number
Division - basic facts

Computation to 100 – w/Regrouping – Plm. Solving/Estim. (39)

Addition: story problems and estimation
Subtraction: story problems and estimation

Computation to 1000 – Using Manipulatives (22)

Addition, Subtraction, and Multiplication - using manipulatives
Division - using manipulatives (with remainders)

Computation to 1000 – Using Numbers (23)

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

Computation to 1000 – Problem Solving and Estimation (34)

Addition: story problems and estimation
Subtraction: story problems and estimation
Multiplication: story problems
Division: story problem

Survey with Goals (Adaptive): Minnesota Version

Survey with Goals is a single assessment in each subject, Reading and Mathematics. There are 48-56 items in each subject that count toward the student's score (8-14 items per goal area), plus several field test items that do not count toward the score. Each green box represents a goal area, as well as the respective sub-goals.

Reading: Common Core

Foundational Skills

Phonics and Word Recognition Phonological Awareness
Print Concepts

Language and Writing Capitalize, Spell,

Punctuate Language: Grammar, Usage
Writing: Purposes: Plan, Develop, Edit

Literature and Informational

Informational Text: Key Ideas, Details, Craft, Structure
Literature: Key Ideas, Craft, Structure

Vocabulary Use and Functions Language:

Context Clues and References

Mathematics: NWEA

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

Measurement and Geometry

Attributes, Compare, Order, Tools, Units
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, Function
Understanding and Application of Algebraic Concepts