MAP Growth K-2 Assessment Content

READING & MATHEMATICS, K–2

MAP® Growth™ K–2 is not a single assessment, but a trio of computer-based assessment components:

- Screening
- Skills Checklists
- Growth

Growth (adaptive, appropriate for universal screening and growth measurement) is the central component, which can be supplemented with 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.

The **Growth** assessments within MAP Growth and MAP Growth K–2 are recognized by the Center on Response to Intervention as universal screening tools. They adapt to the level of difficulty appropriate for each student, and are designed to be administered up to four times a year (fall, winter, spring, and summer). They provide growth data (using the stable RIT scale to track growth within and across grades), and a Lexile® range for reading. Teachers use these adaptive assessments to identify skills most appropriate for instruction based on each student's performance, regardless of whether the student is on, above, or below grade level.

The key content areas covered are:

Literacy	Mathematics
Foundational Skills	Operations and Algebraic Thinking
Language and Writing	Number and Operations
Literature and Informational	Measurement and Data
Vocabulary Use and Functions	Geometry

Following is a breakdown of the skills assessed in each of the MAP Growth K–2 assessments.

Screening

There are two screening assessments: one for early literacy and another for mathematics. The numbers in parentheses below 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

map GROWTH

Skills Checklists

There is an individual assessment for each skill area. Below, you can see each available assessment highlighted in gray, followed by a list of sub-skills that are covered on it. 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 suffixes
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 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 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 100—Counting (23)
Counts on by 1s, 2s, 5s, and 10s
Counts by 10s to 100

MATHEMATICS

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—Identifying/Representing (38)
Identifies numerals and represents numbers

Composes and decomposes numbers

Identifies multiple ways of representing numbers

Fractions: thirds

Money

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

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 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

Computation to 10—Problem Solving (12)
Addition: story problems

Subtraction: story problems

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 20—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 100—w/Regrouping—Using Manipulatives (22)
Addition and subtraction: using manipulatives

Multiplication: using manipulatives

Division: using manipulatives

Computation to 100—No Regrouping—Using Manipulatives (22)
Addition and subtraction: using manipulatives

Multiplication: using manipulatives

Division: using manipulatives

Computation to 100—No Regrouping—Problem Solving (27)
Addition: story problems

Subtraction: story problems

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

MATHEMATICS

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

Growth

Growth is a single assessment in each subject: reading and mathematics. There are 43 items in each subject that count toward the student's score (6-8 items per instructional area), plus several field test items that do not count toward the score. Below, each section highlighted in gray represents an instructional area, followed by a list of instructional sub-areas, for the Common Core State Standard (CCSS) assessments.

READING K-2 CCSS 2010

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

Vocabulary Acquisition and Use

MATH K-2 CCSS 2010 V2

Operations and Algebraic Thinking

Represent and Solve Problems

Properties of Operations

Number and Operations

Understand Place Value, Counting, and Cardinality

Number and Operations: Base Ten and Fractions

Measurement and Data

Solve Problems Involving Measurement

Represent and Interpret Data

Geometry

Reason with Shapes and Their Attributes