

CONCEPTS AND APPLICATIONS TESTS

The MBSP book of Basic Math Concepts and Applications Blackline Masters includes 30 tests at each grade level for Grades 2–6. Each test samples skills in the areas of math concepts and applications representing the yearlong curriculum.

The Concepts and Applications Skills Assessed by Grade charts on the following page show the types of problems that appear in each grade level’s tests. In many cases, there are too many skills in a skill area for all of them to fit in a single Concepts and Applications test. For example, at Grade 2, there are seven different types of problems within the Number Concepts area; however, only two Number Concepts problems are included on each test. The complete set of Number Concepts problems is sampled across several tests. Therefore, although the number of problems within a skill area remains constant across all tests, the specific types of problems from certain skill areas may vary from test to test. The small letter at the bottom left corner of the first page of each test in the Blackline Master book refers to the sampling pattern used for the test. For instance, every test with “A” at the bottom includes the same specific problem types as every other test with “A,” whereas tests with “B” differ in some skills areas from “A” tests.

The following list indicates the number of problems on each test at a specific grade level.

Grade 2	18 problems
Grade 3	24 problems
Grade 4	24 problems
Grade 5	23 problems
Grade 6	24 or 25 problems

At a given grade level, each weekly test has the same time limit (i.e., the time limit allowed on the first test of the school year is the same time limit allowed for every test during the year). See the chart below for the time limit at each grade.

Time Limit for Concepts and Applications Tests

Grade 2	8 minutes
Grade 3	6 minutes
Grade 4	6 minutes
Grade 5	7 minutes
Grade 6	7 minutes

Concepts and Applications Skills Assessed by Grade

The list that follows shows the skills represented on the Concepts and Applications tests for each grade level. Within some skill areas, there are too many specific types of problems to fit into a single test. In these cases, the skills are sampled systematically across several different tests. The sampling scheme for each test is shown by the small letter at the bottom left corner of the first page.

Grade 2

- Counting
- Number Concepts
- Names of Numbers
- Measurement
- Charts and Graphs
- Money
- Fractions
- Applied Computation
- Word Problems

Grade 3

- Counting
- Number Concepts
- Names of Numbers
- Measurement
- Charts and Graphs
- Money
- Fractions
- Decimals
- Applied Computation
- Word Problems

Grade 4

- Number Concepts
- Names of Numbers and Vocabulary
- Measurement
- Grid Reading
- Charts and Graphs
- Area and Perimeter
- Fractions
- Decimals
- Word Problems

Grade 5

- Numeration
- Money
- Measurement
- Geometry
- Charts and Graphs
- Fractions and Factors
- Decimals
- Applied Computation
- Word Problems

Grade 6

- Numeration
- Measurement
- Geometry
- Charts and Graphs
- Applied Computation
- Word Problems
- Percentages
- Ratios and Probability
- Proportions
- Variables

**Normative Scores on Basic Math
Concepts and Applications Tests (Points)**

Grade	<i>n</i>		Fall	Winter	Spring
2	91	25th	8	15	18
		50th	12	23	26
		75th	20	31	31
3	168	25th	11	17	21
		50th	13	22	27
		75th	18	27	34
4	131	25th	10	16	21
		50th	14	21	26
			17	26	32
5	176	25th	6	6	8
		50th	8	8	12
		75th	13	13	18
6	158	25th	3	4	6
		50th	5	8	11
		75th	8	12	15

Note. Data at Grades 5 and 6 come exclusively from high-poverty schools.