

ALGEBRA STANDARDS K-2

Indicator 1: Use procedures to transform algebraic expressions.

Note: Kindergarten through grade 2 students do not master standards for Indicator 1. Mastery of this indicator emerges and increases from grade 3 upward.

Indicator 2: Use a variety of algebraic concepts and methods to solve equations and inequalities.

| Kindergarten | First Grade | Second Grade |
|---|--|---|
| K.A.2.1. (Comprehension) Compare collections of objects to determine more, less, and equal (greater than and less than). | 1.A.2.1. (Comprehension) Use the concepts and language of more, less, and equal (greater than and less than) to compare numbers and sets (0 to 20). | 2.A.2.1. (Comprehension) Use concepts of equal to, greater than, and less than to compare numbers (0-100). |
| | 1.A.2.2. (Application) Solve open addition and subtraction sentences with one unknown (\square) using numbers equal to or less than 10. | 2.A.2.2. (Application) Solve open addition and subtraction sentences with one unknown (\square) using numbers equal to or less than 20. |
| | | 2.A.2.3. (Application) Balance simple addition and subtraction equations using sums up to 20. |

Indicator 3: Interpret and develop mathematical models.

| Kindergarten | First Grade | Second Grade |
|--|--|---|
| K.A.3.1. (Knowledge) Use concrete objects to model the meaning of the “+” and “-” symbols. | 1.A.3.1. (Application) Students are able to write number sentences from problem situations using + or – and = with numbers to 10. | 2.A.3.1. (Application) Write and solve number sentences from word problems. |

Indicator 4: Describe and apply the properties and behaviors of relations, functions and inverses.

| Kindergarten | First Grade | Second Grade |
|---|---|---|
| K.A.4.1. (Knowledge) Identify and extend two-part repeating patterns using concrete objects. | 1.A.4.1. (Comprehension) Identify and extend repeating patterns containing multiple elements using objects and pictures. | 2.A.4.1. (Comprehension) Find and extend growing patterns using symbols, objects, and numbers. |
| K.A.4.2. (Comprehension) Sort and classify objects according to one attribute. | 1.A.4.2. (Comprehension) Determine common attributes in a given group and identify those objects that do not belong. | 2.A.4.2. (Comprehension) Determine likenesses and differences between sets. |