Florida Mathematics (B.E.S.T.)

Grade K: Standards

Number Sense and Operations

1 Develop an understanding for counting using objects in a set.

1. Given a group of up to 20 objects, count the number of objects in that group and represent the number of objects with a written numeral. State the number of objects in a rearrangement of that group without recounting. MA.K.NSO.1.1
2. Given a number from 0 to 20, count out that many objects. MA.K.NSO.1.2
3. Identify positions of objects within a sequence using the words “first,” “second,” “third,” “fourth” or “fifth.” MA.K.NSO.1.3
4. Compare the number of objects from 0 to 20 in two groups using the terms less than, equal to or greater than. MA.K.NSO.1.4

2 Recite number names sequentially within 100 and develop an understanding for place value.

1. Recite the number names to 100 by ones and by tens. Starting at a given number, count forward within 100 and backward within 20. MA.K.NSO.2.1
2. Represent whole numbers from 10 to 20, using a unit of ten and a group of ones, with objects, drawings and expressions or equations. MA.K.NSO.2.2
3. Locate, order and compare numbers from 0 to 20 using the number line and terms less than, equal to or greater than. MA.K.NSO.2.3

3 Develop an understanding of addition and subtraction operations with one-digit whole numbers.

1. Explore addition of two whole numbers from 0 to 10, and related subtraction facts. MA.K.NSO.3.1
2. Add two one-digit whole numbers with sums from 0 to 10 and subtract using related facts with procedural reliability. MA.K.NSO.3.2

Algebraic Reasoning

1 Represent and solve addition problems with sums between 0 and 10 and subtraction problems using related facts.

1. For any number from 1 to 9, find the number that makes 10 when added to the given number. MA.K.AR.1.1
2. Given a number from 0 to 10, find the different ways it can be represented as the sum of two numbers. MA.K.AR.1.2
3. Solve addition and subtraction real-world problems using objects, drawings or equations to represent the problem. MA.K.AR.1.3

2 Develop an understanding of the equal sign.

1 Explain why addition or subtraction equations are true using objects or drawings. MA.K.AR.2.1

Measurement

1 Identify and compare measurable attributes of objects.

1 Identify the attributes of a single object that can be measured such as length, volume or weight. MA.K.M.1.1

2 Directly compare two objects that have an attribute which can be measured in common. Express the comparison using language to describe the difference. MA.K.M.1.2

3 Express the length of an object, up to 20 units long, as a whole number of lengths by laying non-standard objects end to end with no gaps or overlaps. MA.K.M.1.3

Geometric Reasoning

1 Identify, compare and compose two- and three-dimensional figures.

1 Identify two- and three-dimensional figures regardless of their size or orientation. Figures are limited to circles, triangles, rectangles, squares, spheres, cubes, cones and cylinders. MA.K.GR.1.1

2 Compare two-dimensional figures based on their similarities, differences and positions. Sort two-dimensional figures based on their similarities and differences. Figures are limited to circles, triangles, rectangles and squares. MA.K.GR.1.2

3 Compare three-dimensional figures based on their similarities, differences and positions. Sort three-dimensional figures based on their similarities and differences. Figures are limited to spheres, cubes, cones and cylinders. MA.K.GR.1.3

4 Find real-world objects that can be modeled by a given two- or three-dimensional figure. Figures are limited to circles, triangles, rectangles, squares, spheres, cubes, cones and cylinders. MA.K.GR.1.4

5 Combine two-dimensional figures to form a given composite figure. Figures used to form a composite shape are limited to triangles, rectangles and squares. MA.K.GR.1.5

Data Analysis and Probability

1 Develop an understanding for collecting, representing and comparing data.

1 Collect and sort objects into categories and compare the categories by counting the objects in each category. Report the results verbally, with a written numeral or with drawings. MA.K.DP.1.1