

ROBERTSON COUNTY SCHOOLS

MASTERY GUIDE, 2004

KINDERGARTEN

FIRST NINE WEEKS

MATH

Geometry

- K.3.1a. Recognize and name circles, squares, triangles, and rectangles when shown in various positions.
- K.3.1c. Recognize basic properties of and similarities and differences between simple geometric figures (e.g., number of sides, corners).
- K.3.1e. Create structures using three-dimensional shapes.
- K.3.1f. Combine two-dimensional shapes to make pictures.

SECOND NINE WEEKS

MATH

Measurement

- K.4.1a. Demonstrate understanding of the concept of length.
- K.4.1b. Compare the length, weight, and capacity of two objects.
- K.4.1d. Use words to describe temperature (e.g., hot, warm, cool, cold).
- K.4.2a. Measure and estimate length using a variety of non-standard units.
- K.4.2b. Distinguish between light and heavy objects.
- K.4.2d. Recognize a thermometer as a way of measuring temperature.
- K.4.2e. Recognize a calendar as a way of measuring time.

Algebra

- K.2.1a. Sort objects by color, size, shape, and kind.
- K.2.2a. Identify patterns in the environment, in arrangements, objects, or pictures.
- K.2.2b. Recognize and extend a concrete, visual, or auditory two- or three-part repeating pattern.
- K.2.2c. Create and describe a simple repeating pattern.

Geometry

- K.3.1b. Recognize examples of circles, squares, triangles, and rectangles in the environment and as faces of three-dimensional objects.
- K.3.2a. Use directional terms in a variety of situations (e.g., over, under, forward, backward, between, right, left).

Data Analysis

- K.5.1a. Represent and compare data using concrete objects, pictures, and simple graphs.
- K.1.1h. Determine whether a figure has been divided in halves.

THIRD NINE WEEKS

MATH

Numbers

- K.1.1a. Count sets of objects up to 20.
- K.1.1b. Count by ones and tens to 50.
- K.1.1c. Count backward from 10 to 1.
- K.1.1d. Match quantities up to twenty with numerals.
- K.1.1e. Recognize equivalent sets of objects.
- K.1.1g. Represent quantities up to 20 on ten-frames.
- K.1.1j. Order numbers less than 20.
- K.1.1k. Express the relationship between two numbers less than 20 using the words less than, more than, or equal to.
- K.1.1l. Identify the position of a whole number less than 20 on the number line.

Numbers and Operations

- K.1.3b. Use pictures or objects, such as ten frame, to show one more or one less than any number to 20.

Measurement

- K.4.1c. Use words to describe time (e.g., day, night, morning, afternoon, yesterday, today, tomorrow).
- K.4.2c. Tell time to the hour.

Geometry

- K.3.1d. Create circles, squares, rectangles, and triangles.

FOURTH NINE WEEKS

MATH

Numbers

- K.1.1f. Write numerals up to twenty.
- K.1.1i. Name and identify coins and their values.
- K.1.1m. Apply the language of ordinal numbers up to tenth.

Numbers and Operations

- K.1.2a. Use manipulatives to develop strategies for addition and subtraction of whole numbers.
- K.1.2b. Use a variety of strategies to solve simple verbal story problems involving numbers 0 to 10.
- K.1.3a. Use words, actions, pictures, or manipulatives to solve problems.
- K.1.3c. Explain the reasonableness of a solution.

Algebra

- K.2.1b. Communicate using mathematical terms appropriately.
- K.2.3a. Use manipulatives or pictures to demonstrate addition and subtraction sentences written symbolically involving numbers 0 to 5.
- K.2.3b. Read and explain simple addition and subtraction number sentences written symbolically.

Probability

- K.5.2a. Describe events related to students' experiences as likely or unlikely.