Kansas Early Learning

Mathematics: Preschool

Counting and Cardinality

1 Know number names and counting sequence.

Pre 3

1 Counts in sequence to 10. M.CC.P3.1

2 Demonstrates an understanding that number names can be represented with a written numeral. M.CC.P3.2

Pre 4

1 Counts in sequence to 20. M.CC.P4.1

2 Represents a group of objects with a written numeral 0-12 (with 0 representing a count of no objects). M.CC.P4.2

3 Counts forward beginning from a given number (under 10) within the known sequence (instead of having to begin at 1). M.CC.P4.3

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2 Count to identify the number of objects.

Pre 3

3 Uses oneto-one correspondence during play situations. M.CC.P3.3

4 Initiates counting without prompting. M.CC.P3.4

5 Uses number words to indicate the quantity in small sets of objects. M.CC.P3.5

Pre 4

4 Understands that numbers represent quantities and that the last number name identifies the quantity of objects counted (cardinality). M.CC.P4.4

a Uses oneto-one correspondence when counting objects, saying the number names in the standard order pairing with each object. M.CC.P4.4A

b Understands that the number of objects remains the same regardless of the order in which the objects were counted. M.CC.P4.4B

5 Counts to answer “how many?” questions about as many as 10 things arranged in a line, a rectangular array or a circle or as many as five things in a scattered configuration. M.CC.P4.5

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3 Compare Numbers

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Pre 3

6 Identifies whether the number of objects in one group is more or less as compared to the number of objects in another group up to five. M.CC.P3.6

7 When shown a collection of up to three items, creates another collection of equal amounts. M.CC.P3.7

Pre 4

6 Identifies whether the number of objects in one group is greater than, less than or equal to the number of objects in another group up to 10. M.CC.P4.6

7 Subitizes to five. M.CC.P4.7

8 Compares two numbers between 1 and 5 when presented as written numerals. M.CC.P4.8

Operations and Algebraic Thinking

1 Understand addition as putting together and subtraction as taking from.

Pre 3

1 Demonstrates an understanding of addition by using objects in practical situations. M.OA.P3.1

2 Uses concrete objects including shapes to copy simple patterns. M.OA.P3.2

Measurement and Data

1 Describe and compare measurable attributes.

Pre 3

1 Demonstrates an understanding that objects can be compared by one attribute and begins to use words such as bigger, smaller and longer. M.MD.P3.1

Pre 4

1 Describes and compares objects using measurable attributes (length, size, capacity and weight). M.MD.P4.1

2 Directly compares two objects with a measurable attribute in common to see which objects has “more than”/“less than” the attribute. M.MD.P4.2

2 Classify objects and count the number of objects in each category.

Pre 3

2 Sorts objects into two or more groups by their properties or uses. M.MD.P3.2

Pre 4

3 Sorts objects into categories, counts the numbers of objects in each category (limit category counts to less than or equal to 10), and makes comparisons between the categories based on quantity. M.MD.P4.3

4 Collects data by categories to answer simple questions. M.MD.P4.4

Ge **dentify and describe shapes.**

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Pre 3

1. Correctly names shapes regardless of their orientations or overall size. (Squares, circles, triangles, rectangles) M.G.P3.1
2. Describes objects in the environment using names of shapes, uses actions and words to indicate relative positions of these objects. M.G.P3.2

Pre 4

1. Correctly names shapes regardless of their orientations or overall size. (Squares, circles, triangles, rectangles, cubes, cones, cylinders and spheres) M.G.P4.1
2. Describes objects in the environment using names of shapes, describes the relative positions of these objects using terms. M.G.P4.2

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2 **Analyze, compare, create and compose shapes.**

Pre 3

3. Analyzes and compares shapes of different sizes and orientations and describes similarities, differences, parts and other attributes. M.G.P3.3
4. Plays with and manipulates shapes. M.G.P3.4

Pre 4

3. Analyzes and compares two- and threedimensional shapes of different sizes and orientations. Describes similarities, differences, parts and other attributes. M.G.P4.3
4. Creates shapes during play by building, drawing, etc. M.G.P4.4
5. Puts together several shapes to make a picture and fill simple outline puzzles. M.G.P4.5