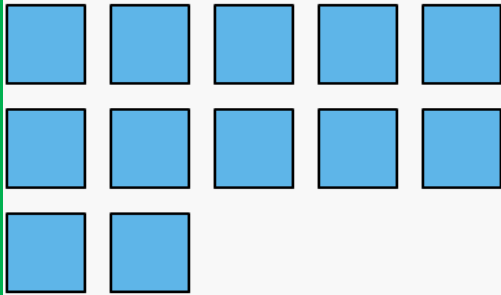# NWEA Assessment Item Illustrating K.CC.A.3

Domain: Counting and Cardinality
K.CC.A: Know number names and the count sequence.
Calculator Availability: No

Alignment: K.CC.A.3: Write numbers from 0 to 20. Represent a number of objects with a written numeral 0–20 (with 0 representing a count of no objects).
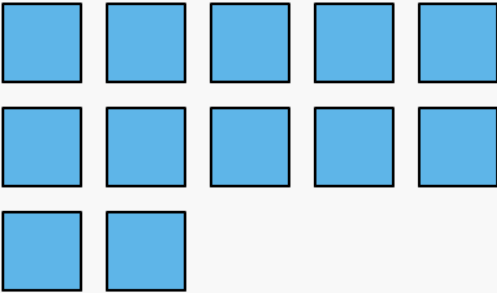
This standard has two parts: writing numbers and representing a quantity of objects with a numeral. This item aligns to the second part of the standard, in which a numeral is used to represent a given quantity of objects. In order to answer correctly, students count the number of objects and then connect numerals, or symbols, to the quantity counted. The objects in this item are arranged in an array to help facilitate counting. When working with this standard, special focus should be given to the teen numbers, whose spoken and written forms may not be as clearly connected as greater numbers.

Coherence: Recognizing numerals and connecting them to quantities is a foundational understanding that leads to recognizing greater numbers and representing greater quantities of objects with numerals.[1.NBT.A.1] Connecting number words to numerical representations will be an important focus in grade 1, when students learn to decode number words and understand that, for example, *forty-two* means "4 tens and 2 ones," which can be shown as *42*. As students work with numbers up to 1,000 in grade 2,[2.NBT.A.1] the connection between a digit's location in a number and its place value becomes clearer and knowing number names helps support place value understanding.

Rigor: This item attends to conceptual understanding and procedural skill. Students use conceptual understanding when learning to count, when recognizing numerals in order, and when matching those numerals to the counted objects. Counting a given number of objects is also a procedural skill. Since the objects provided are mathematical models and not representations of real-world objects, there is no application in this item.

Answer Key:

Count the shapes.

How many shapes are there altogether? Move a number to the line to show the answer.

12 shapes

1	2	3	4	5	6	7	8	9	10
11		13	14	15	16	17	18	19	20

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