

# Kindergarten 2020 Unit #4: Math - Measurement and Data

Content Area: **Mathematics**  
Course(s): **Math K**  
Time Period: **Marking Period 3**  
Length: **15 days**  
Status: **Published**

## Established Goals/Standards

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Please choose the appropriate Goals/Standards from the Standards tab above.

MA.K.CC.A.1	Count to 100 by ones and by tens.
MA.K.OA.A.3	Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., $5 = 2 + 3$ and $5 = 4 + 1$ ).
MA.K.OA.A.4	For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.
MA.K.OA.A.5	Demonstrate fluency for addition and subtraction within 5.
MA.K.NBT.A.1	Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (e.g., $18 = 10 + 8$ ); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones.
CCSS.Math.Content.K.MD.A	Describe and compare measurable attributes.
CCSS.Math.Content.K.MD.A.1	Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object.
CCSS.Math.Content.K.MD.A.2	Directly compare two objects with a measurable attribute in common, to see which object has “more of”/“less of” the attribute, and describe the difference.
CCSS.Math.Content.K.MD.B	Classify objects and count the number of objects in each category.
MA.K.MD.B.3	Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.
CCSS.Math.Content.K.MD.B.3	Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.
MA.K.G.A.2	Correctly name shapes regardless of their orientations or overall size.
MA.K.G.A.3	Identify shapes as two-dimensional (lying in a plane, “flat”) or three-dimensional (“solid”).

## Essential Questions

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Please add your Essential Questions by clicking on the Lists tab above.

- How can classifying data help answer questions?
- How can objects be described and compared by length, height, capacity, and weight?

## Enduring Understanding

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Please add your Enduring Understandings by clicking on the Lists tab above.

- Data can be sorted and compare in a variety of ways. Objects can be sorted by putting those with a particular attribute in one group and those without the attribute in another group. Then, the groups can be counted and the categories can be compared by count.
- Measurement is a process of comparing a unit to the object being measured. The length of any object can be used as a measurement unit for length.
- Objects can be classified into two categories, based on whether they have or do not have a particular attribute.
- Objects can be classified into two categories, based on whether they have or do not have a particular attribute. Each group can then be counted.
- Objects have measurable attributes that can be recognized and described.
- When you compare by capacity, you are thinking about how much objects hold.
- When you compare by length or height, you are thinking about how long or tall objects are.
- When you compare by weight, you are thinking about how heavy objects are.

## **Content**

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SWBAT...

classify objects into categories and tell why they are in each category.

count how many objects are in different categories.

use counting to compare how many objects are in categories.

tell whether the way objects have been sorted, counted and compared makes sense.

describe and compare objects by length and height

describe and compare objects by capacity.

describe and compare objects by weight.

use measurable attributes to describe different objects.

use small objects to measure length.

solve math problems about objects with measurable attributes by using precision.

## **VOCABULARY:**

category, classify, chart, tally mark, height, length, shorter, taller, capacity, heavier, lighter, weights, weight, balance scale, attribute

## **Assessment**

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- [Unit 14 Test](#)
- [Unit 5 Test](#)

## **Resources**

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[Interactive Math Story](#)

[Review What You Know](#)

[My Word Cards](#)

[Daily Review](#)

[Solve and Share Activity](#)

[Today's Challenge](#)

[Independent Practice](#)

[Math Centers](#)

[Manipulatives](#)