2021 OREGON MATH STANDARDS Version 5.2.7

## OREGON MATH STANDARDS GRADE K MATHEMATICS

## Oregon Math Standards GRADE K

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OREGON DEPARTMENT OF
EDUCATION

# Oregon Math Standards GRADE K 

## Grade K Overview

Critical Areas of Focus

In Kindergarten, instructional time should focus on two critical areas:

1. Representing and comparing whole numbers, initially with sets of objects;
2. Describing shapes and space. More learning time in Kindergarten should be devoted to number than to other topics.

Link to summary of Grade K Critical Areas

Students should spend the large majority ${ }^{1}$ of their time on the major work of the grade ( $\square^{(1)}$ ) and, where appropriate, additional work ( $\square$ ) can engage students in the major work of the grade.
${ }^{1}$ At least $65 \%$ and up to approximately $85 \%$ of class time, with Grades K-2 nearer the upper end of that range, should be devoted to the major work of the grade. For more information, see the K-8 major work of the grade developed by Student Achievement Partners

## Grade K Math Standards (2021)

## Algebraic Reasoning: Operations (K.OA)

K.OA.A Understand addition and subtraction.
K.OA.A. 1 Represent addition as putting together and adding to and subtraction as taking apart and taking from using objects, drawings, physical expressions, numbers or equations.
K.OA.A. 2 Add and subtract within 10. Model authentic contexts and solve problems that use addition and subtraction within 10.
K.OA.A. 3 Using objects or drawings, and equations, decompose numbers less than or equal to 10 into pairs in more than one way.
K.OA.A. 4 By using objects, drawings, or equations, find the unknown number that makes 10 when added to a given number from 1-9.
K.OA.A. 5 Fluently add and subtract within 5 with accurate, efficient, and flexible strategies.

## Numeric Reasoning: Counting and Cardinality (K.NCC)

K.NCC.A Know number names and the count sequence.
K.NCC.A. 1 Orally count to 100 by ones and by tens in sequential order.
K.NCC.A. 2 Count forward beginning from a given number within 100 of a known sequence.
K.NCC.A. 3 Identify number names, write numbers, and the count sequence from 0-20. Represent a number of objects with a written number 0-20.
K.NCC.B Count to tell the number of objects.
K.NCC.B. 4 Understand the relationship between numbers and quantities; connect counting to cardinality.
K.NCC.B. 5 Count to answer "how many?" questions using up to 20 objects arranged in a variety of configurations or as 10 objects in a scattered configuration. Given a number from 1-20, count out that many objects.

## K.NCC.C Compare numbers.

K.NCC.C. 6 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group.
K.NCC.C. 7 Compare two numbers between 1 and 10 presented as written numerals.

## Numeric Reasoning: Base Ten Arithmetic (K.NBT)

K.NBT.A Work with numbers 11-19 to gain foundations for place value.
K.NBT.A. 1 Compose and decompose from 11 to 19 into groups of ten ones and some further ones using objects, drawings, or equations.

## Geometric Reasoning and Measurement (K.GM)

K.GM.A Identify and describe shapes.
K.GM.A. 1 Describe objects in the environment using names of shapes and describe the relative positions of these objects in their environment.
K.GM.A. 2 Correctly name common two-dimensional and three-dimensional geometric shapes regardless of their orientations or overall size.
K.GM.A. 3 Identify shapes as two-dimensional or three-dimensional.
K.GM.B Analyze, compare, create, and compose shapes.
K.GM.B. 4 Analyze and compare two and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts and attributes.
K.GM.B. 5 Represent shapes in the world by building shapes from components and drawing shapes.
K.GM.B. 6 Compose common shapes to form larger shapes.
K.GM.C Describe and compare measurable attributes.
K.GM.C. 7 Describe several measurable attributes of a single object using measurable terms, such as length or weight.
K.GM.C. 8 Directly compare two objects with a measurable attribute in common, and describe which object has "more" or "less" of the attribute.

## Data Reasoning (K.DR)

K.DR.A Pose investigative questions and collect/consider data.
K.DR.A. 1 Generate questions to investigate situations within the classroom. Collect or consider data that can naturally answer questions by sorting and counting.
K.DR.B Analyze, represent, and interpret data.
K.DR.B. 2 Analyze data sets by counting the number of objects in each category and interpret results by classifying and sorting objects by count.

