**MATH STANDARDS: REQUIRED FLUENCIES AND CLUSTERS**

**K**

A PACIFIC UNION CONFERENCE CORRELATION OF NAD AND CCSS

Required fluencies are the skills to be mastered at this level. Clusters define where students and teachers should spend a large majority of their time in order to meet the expectations of the standards. Each fluency/cluster is linked to the corresponding NAD and Common Core Standard. The teacher will notice the NAD Standards are summarized and the Common Core standards provide an extensive explanation of the standards.

 **Color Key:** Major Clusters Supporting Clusters Additional Clusters

 Common Core State Standards (CCSS) North American Division Standards (NAD)

| **Fluencies / Clusters** | **Go Math Correlation** | **Assessment Dates** | **Notes****(Struggling students, additional resources & ideas, etc.)** |
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| **Required****Fluencies** | Add and subtract within 5.([NAD K.OAT.2, 4](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Operations%20and%20Algebraic%20Thinking.pdf)) ([CCSS K.OA.5](http://www.corestandards.org/Math/Content/K/OA/)) |  |       |       |       |
| **NUMBERS AND OPERATIONS (NAD) / COUNTING AND CARDINALITY (CCSS)** |
| Know number names and the count sequence.([NAD K.NO.1-2](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Numbers%20and%20Operations.pdf)) ([CCSS K.CC.1-3](http://www.corestandards.org/Math/Content/K/CC/)) |  |       |       |       |
| Count to tell the number of objects.([NAD K.NO.3](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Numbers%20and%20Operations.pdf)) ([CCSS K.CC.4-5](http://www.corestandards.org/Math/Content/K/CC/)) |  |       |       |       |
| Compare numbers.([NAD K.NO.4](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Numbers%20and%20Operations.pdf)) ([CCSS K.CC.6-7](http://www.corestandards.org/Math/Content/K/CC/)) |  |       |       |       |
| **NUMBERS AND OPERATIONS (NAD) / NUMBER AND OPERATIONS IN BASE TEN (CCSS)** |
| Work with numbers 11-19 to gain foundations for place value.([NAD K.NO.5](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Numbers%20and%20Operations.pdf)) ([CCSS K.NBT.1](http://www.corestandards.org/Math/Content/K/NBT/)) |  |       |       |       |
| **OPERATIONS AND ALGEBRAIC THINKING (NAD / CCSS)** |
| Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.([NAD K.OAT.1-4](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Operations%20and%20Algebraic%20Thinking.pdf)) ([CCSS K.OA.1-5](http://www.corestandards.org/Math/Content/K/OA/)) |  |       |       |       |
| **MEASUREMENT (NAD) / MEASUREMENT AND DATA (CCSS)** |
| Describe and compare measurable attributes. ([NAD K.M.1](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Measurement.pdf)) ([CCSS K.MD.1-2](http://www.corestandards.org/Math/Content/K/MD/)) |  |       |       |       |
| **GEOMETRY (NAD / CCSS)** |
| Identify and describe shapes.([NAD K.GEO.1](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Geometry.pdf)) ([CCSS K.G.1-3](http://www.corestandards.org/Math/Content/K/G/))  |  |       |       |       |
| Analyze, compare, create, and compose shapes. ([NAD K.GEO.2](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Geometry.pdf)) ([CCSS K.G.4-6](http://www.corestandards.org/Math/Content/K/G/)) |  |       |       |       |
| **DATA ANALYSIS, STATISTICS, AND PROBABILITY (NAD) / MEASUREMENT AND DATA (CCSS)** |
| Classify objects and count the number of objects in categories.([NAD K.DSP.1](http://adventisteducation.org/downloads/pdf/Elementary%20Math%20Standards%20Data%20Analysis%20Statistics%20and%20Probability.pdf)) ([CCSS K.MD.3](http://www.corestandards.org/Math/Content/K/MD/)) |  |       |       |       |