Cognition: Math (COG: MATH) is a domain of the Kindergarten Individual Development Survey (KIDS). This document is intended to support teachers in recording observations for Measurement (COG: MATH 5).

**When will I observe?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Whom will I observe?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**How do I plan to collect evidence? \_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**This observation took place:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**COG: MATH 5: Patterning**

Child shows an increasing ability to recognize, reproduce, and create patterns of varying complexity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Building** | | | **Integrating** | | |
| **Earlier** | **Middle** | **Later** | **Earlier** | **Middle** | **Later** |
| Matches simple | Attempts to create | Extends a simple | Creates, copies, or | Identifies smallest | Identifies growing |
| sequences that are | simple repeating | repeating pattern (with | extends complex | repeating unit of the | patterns (i.e., patterns |
| seen, heard, or | patterns (with two | two elements) by | patterns (with three or | pattern; | that increase with every |
| experienced | elements) | adding one or more | more elements) |  | repetition) by describing |
|  |  | repetitions of an |  | *and* | their numeric or |
|  |  | existing pattern |  |  | geometric progressions |
|  |  |  |  | Translates pattern from |  |
|  |  |  |  | one mode of |  |
|  |  |  |  | representation to |  |
|  |  |  |  | another (e.g., using an |  |
|  |  |  |  | ABB pattern with |  |
|  |  |  |  | shapes and then with |  |
|  |  |  |  | movement) |  |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Building** | | | **Integrating** | | |
| **Earlier** | **Middle** | **Later** | **Earlier** | **Middle** | **Later** |
|  |  |  |  |  |  |