

Changes from 9/25 Proposed to 02/26 Proposed Standards Documents

Changes are based off public comment and committee recommendations

1. Domain Names and Coding

- **Old (9.25):** Domains included *Arithmetic* for K–5 and *Functions* for middle/high school.
- **New (02.26):**
 - K–5 domain changed from **Arithmetic** to **Operations and Algebraic Thinking (OA)**.
 - Middle school added **Relationships and Functions (RF)** domain.
 - High school introduced **Algebraic Functions (AF)** domain instead of grouping all under “Functions.”

2. Expanded Standards for Mathematical Practice

- **Old (09.25):** Practices were embedded but not explicitly described.
- **New (02.26):** A full section detailing **8 Mathematical Practices** (e.g., reasoning abstractly, modeling, attending to precision).

3. Standard Algorithms Section

- **Old (09.25):** No explicit mention of standard algorithms.
- **New (02.26):** Added a section explaining **purpose and examples of standard algorithms** for addition, subtraction, multiplication, and division.

4. Content Refinements

- **New (02.26) K–5:**
 - Added **cardinality concepts** in Kindergarten (K.N.5).
 - Added positional language (above, below, beside) in Kindergarten (K.N.13).
 - Expanded money standards in Grade 2 (now includes bills and word problems).
 - Added **visual model emphasis** for operations and fractions across grades.

- **New (02.26) Grades 3–5:**
 - Added **explicit expectation for scaled graphs and line plots** (e.g., 3.M.18–20).
 - Added **area model reasoning for multiplication** and distributive property in Grade 3.
 - Expanded fraction operations to include **visual models and reasoning** in Grades 4–5.
- **New (02.26) Middle School:**
 - Added **visual models for fraction division** (6.NC.7–8).
 - More emphasis on **reasoning and justification** in algebraic expressions and equations.
- **New (02.26) High School:**
 - Added **reasoning language** to trigonometry and polynomial standards.
 - Expanded **logarithmic functions** to include graphing and interpretation (A2.EL.6).
 - Added **criteria for similarity and congruence proofs** in Geometry.

5. Language and Clarity

- **New (02.26) draft uses more precise language:**
 - Example: “Explain and justify using visual models” vs. older “Solve using objects or drawings.”
 - Added phrases like “interpret,” “justify,” and “reasoning” throughout.

Overall Summary of Red Changes

- **Structural:** Shift from “Arithmetic” to “Operations and Algebraic Thinking” and introduction of new domains for clarity and alignment.
- **Instructional Emphasis:** Stronger focus on **visual models, reasoning, and justification** across all grade levels.
- **Mathematical Practices:** Explicitly listed and described in detail for the first time.
- **Algorithms:** Added section on standard algorithms for foundational fluency.

- **Content Depth:**
 - Expanded standards for fractions, decimals, and operations with clear modeling expectations.
 - Added more real-world application and interpretation tasks.
- **Language:** Simplified and clarified expectations; added terms like “interpret,” “justify,” and “reasoning” to promote conceptual understanding.
- **Coding system:** Updated for consistency and easier reference.