

Purpose of These 2020/21 Math Documents:

The Grade Span Map and Multi-Age Scope and Sequence are intended to outline instructional focuses for the year and trimester.

The [Grade Span Maps](#) outline the timing of focus concepts, big ideas, instructional units, and recurring concepts across the school year in a multi-age instructional setting. They are the product of grade level team 'big ideas' work in August, October, and November. Teacher feedback on the grade span map drafts was collected in December. Math committee edited and reviewed these documents based on feedback.

The [Multi-Age Scope and Sequence](#) maps the competencies across the year and will eventually link the standards in both grade levels within the span and will include vetted performance tasks that are applicable to both grades.

How to Read These Documents:

Focus Concepts

If you teach nothing else, teach these concepts deeply. These are concepts rather than skills. The focus is not mastery but rather a deeper understanding of the concepts using manipulatives, investigation, visualization, and discovery. All students should have access to focus concepts. Many of the big ideas listed below fit within the larger focus concepts. Focus concepts should be year-long endeavors and revisited and built upon throughout the year.

Focus Concepts:

K/1	Number Concept/ Addition
2/3	Subtraction/ Multiplication
4/5	Division/ Fractions
6	Ratios/Integers
7	Rational Numbers
8	Real Numbers

Big Ideas

The big ideas are concepts that have many connections within and across the standards that build on ideas from a previous grade and are pivotal to ideas in later grades. They represent

connected concepts that are powerful for mathematical thinkers. There are three low-floor high-ceiling lessons for each big idea concept in the Mindset Mathematics books for your grade span. Big Ideas marked with an asterisk indicates that the idea spans across both grades, therefore they should be more heavily weighted.

Recurring Concepts

Recurring Concepts can be revisited throughout the year as number talks or an application of a unit concept.

Secondary Concepts

Secondary concepts have been identified as topics of less importance using the [Achieve the Core Grade Level Focuses](#) and [2020-2021 Instructional Priorities](#) documents.

Next Steps for Math Committee:

- Connect standards to competencies across the year to the [Multi-Age Scope and Sequences](#).
- Create at least one performance task per grade span on a focus concept. (If you have a performance task that supports the grade span focus concepts, please share it with the math committee. Even if you have a great task for one of the two grade levels, please forward it as well and the math committee can work to adapt it to apply to multi-age.)
- Continue to add to the Focus Concept Instructional Resources (See below).

Below are the Focus Concept Instructional Resources:

[Addition Concept Resources](#) (K-3)

[Rekenrek and Beaded Number Line Resources](#) (for addition and subtraction K-3)

[Multiplication Concept Resources](#) (grades 2-6)

[Division Concept Resources](#) (grades 4-6)

[Ratio Concept Resources](#) (grade 6)

If you have questions about these documents, please contact a math committee member.

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