

Timelines for Math Out of the Box Modules
Second Grade

Following are timelines for each second grade module. The curriculum is designed so that the order of the modules can be changed to correlate with local curriculum and pacing guides. However, the concepts within a module should be taught sequentially. Lessons averaging 1½ hours each do not have to be finished in one day or at one sitting. Lessons can be separated between the phases of the learning cycle.

Engage—10 to 15 minutes

Investigate—30 to 45 minutes

Reflect—15 minutes

Apply—15 minutes

Many activities in the Apply phase can be completed at centers throughout the school day. An alternative plan is to schedule an Apply day after each subconcept using the activities to remediate skills and to challenge students.

Developing Number Concepts: More and Less, Module A

Lessons 1 to 5	Subconcept: Addition facts can be analyzed for patterns using a variety of representations.	7 to 10 days
Lessons 6 to 10	Subconcept: Subtraction facts can be analyzed for patterns using a variety of representations.	7 to 10 days
Lessons 11 to 16	Subconcept: The base-10 number system and its place-value structure can be analyzed for patterns using a variety of representations.	8 to 12 days
Lessons 17 to 22	Subconcept: Meaning for addition and subtraction can be developed by constructing a variety of models and strategies.	8 to 13 days
Total		30 to 45 days

Developing Number Concepts: More and Less, Module B

Lessons 1 to 3	Subconcept: Estimation strategies can be used to analyze sets.	6 to 8 days
Lessons 4 to 10	Subconcept: Meaning for addition and subtraction can be developed by constructing a variety of models and strategies.	8 to 16 days
Lessons 11 to 17	Subconcept: Meaning for multiplication and division can be developed by constructing a variety of models and strategies.	8 to 16 days
Lessons 18 to 20	Subconcept: Basic concepts of probability can be applied to everyday experiences.	3 to 5 days
Total		25 to 45 days

Developing Algebraic Thinking: Collecting and Sorting

Algebra		
Lessons 1 to 4	Subconcept: Patterns can be described.	4 to 5 days
Lessons 5 to 7	Subconcept: Predictions can be made and verified.	3 to 5 days
Lessons 8 to 10	Subconcept: Patterns can be extended.	3 to 5 days
Data Analysis		
Lessons 11 to 13	Subconcept: Data can be collected and displayed.	3 to 5 days
Lessons 14 to 16	Subconcept: Data can be analyzed and described.	3 to 5 days
Lessons 17 to 20	Subconcept: A story can be told about the data.	4 to 5 days
Total		20 to 30 days

Developing Geometric Logic: Rows and Columns

Lessons 1 to 6	Subconcept: Three-dimensional shapes can be analyzed and described.	6 to 8 days
Lessons 7 to 12	Subconcept: Two dimensional shapes can be analyzed and described.	6 to 8 days
Lessons 13 to 16	Subconcept: Geometry can be related to other areas of mathematics.	4 to 6 days
Lessons 17 to 20	Subconcept: Conclusions can be drawn about the position and location of shapes.	4 to 6 days
Total		20 to 30 days

Developing Measurement Benchmarks: Large and Small

Lessons 1 to 7	Subconcept: Attributes of length can be analyzed and described.	7 to 9 days
Lessons 8 to 11	Subconcept: Attributes of money can be analyzed and described.	4 to 7 days
Lessons 12 to 15	Subconcept: Attributes of time and temperature can be analyzed and described.	4 to 7 days
Lessons 16 to 20	Subconcept: Attributes of capacity and weight can be analyzed and described.	5 to 7 days
Total		20 to 30 days