

**Timelines for Math Out of the Box Modules**  
**Kindergarten**

Following are timelines for each kindergarten module. The curriculum is deigned 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: Like and Unlike, Module A**

Lessons 1 to 9	Subconcept: Number quantities can be analyzed using a variety of representations.	13 to 19 days
Lessons 10 to 15	Subconcept: Meaning for addition can be developed by constructing a variety of models and strategies.	9 to 14 days
Lessons 16 to 20	Subconcept: Meaning for subtraction can be developed by constructing a variety of models and strategies	8 to 12 days
Total		30 to 45 days

**Developing Number Concepts: Like and Unlike, Module B**

Lessons 1 to 8	Subconcept: Numbers can be analyzed for patterns and relationships.	11 to 16 days
Lessons 9 to 12	Subconcept: The base-10 number system and its place-value structure can be analyzed for patterns using a variety of representations.	5 to 9 days
Lessons 13 to 15	Subconcept: Meaning for addition and subtraction can be developed by constructing a variety of models and strategies.	6 to 9 days
Lessons 16 to 20	Subconcept: Basic concepts of probability can be applied to everyday experiences.	8 to 11 days
Total		30 to 45 days

### **Developing Algebraic Thinking: Rhythm and Design**

Algebra		
Lessons 1 to 3	Subconcept: Patterns can be created.	3 to 5 days
Lessons 4 to 6	Subconcept: Repeating patterns can be represented in many ways.	3 to 5 days
Lessons 7 to 10	Subconcept: Repeating patterns can be analyzed and described.	4 to 5 days
Data Analysis		
Lessons 11 to 13	Subconcept: Collections can be sorted according to a rule.	3 to 5 days
Lessons 14 to 16	Subconcept: Counts can be made of data that have been gathered.	3 to 5 days
Lessons 17 to 20	Subconcept: Data can be displayed and analyzed.	4 to 5 days
Total		20 to 30 days

### **Developing Geometric Logic: Towers and Trails**

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 7 days
Lessons 17 to 20	Subconcept: Conclusions can be drawn about the position and location of shapes.	4 to 7 days
Total		20 to 30 days

### **Developing Measurement Benchmarks: Over and Under**

Lessons 1 to 9	Subconcept: Attributes of length can be analyzed and described.	9 to 12 days
Lessons 10 to 16	Subconcept: Attributes of money, time, and temperature can be analyzed and described.	7 to 10 days
Lessons 17 to 20	Subconcept: Attributes of capacity and weight can be analyzed and described.	4 to 8 days
Total		20 to 30 days