**Coherence Links by Module**

**Grade 1**

| **Module 1: Sums and Differences to 10** | | | | |
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| **Topic A:** Embedded Numbers and Decompositions  (Lessons 1-3) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Topic B:** Counting On From Embedded Numbers  (Lessons 4-8) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Topic C:** Addition Word Problems  (Lessons 9-13) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Topic D:** Strategies for Counting on  (Lessons 14-16) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Topic E:** The Commutative Property of Addition and the Equal Sign  (Lessons 17-20) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Topic F:** Development of Addition Fluency Within 10  (Lessons 21-24) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Topic G:** Subtraction as an Unknown Addend Problem  (Lessons 25-27) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Topic H:** Subtraction Word Problems  (Lessons 28-32) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Topic I:** Decomposition Strategies for Subtraction  (Lessons 33-37) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Topic J:** Development of Subtraction Fluency within 10  (Lessons 38-39) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M4** Addition and Subtraction within 200 with Word Problems to 100 | |
| **Module 2: Introduction to Place Value Through Addition and Subtraction within 20** | | | | |
| **Topic A:** Counting on or Making Ten to Solve Result Unknown and Total Unknown Problems  (Lesson 1-11) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M3** Place Value Comparison of Numbers to 1,000  **G2- M5** Addition and Subtraction within 1,000 with Word Problem within 1,000 | |
| **Topic B:** Counting on or Taking from Ten to Solve Result Unknown and Total Unknown Problems  (Lessons 12-21) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M3** Place Value Comparison of Numbers to 1,000  **G2- M5** Addition and Subtraction within 1,000 with Word Problem within 1,000 | |
| **Topic C:** Strategies for Solving Change or Addend Unknown Problems  (Lesson 22-25) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M3** Place Value Comparison of Numbers to 1,000  **G2- M5** Addition and Subtraction within 1,000 with Word Problem within 1,000 | |
| **Topic D:** Varied Problems with Decomposition  (Lesson 26-29) | **Coherence Links from:** | | **GK- M4** Number Pairs, Addition and Subtraction to 10 | |
| **Coherence Links to:** | | **G2- M3** Place Value Comparison of Numbers to 1,000  **G2- M5** Addition and Subtraction within 1,000 with Word Problem within 1,000 | |
| **Module 3: Ordering and Comparing Length Measurements as Numbers** | | | | |
| **Topic A:** Indirect Comparison in Length Measurement  (Lessons 1-3) | **Coherence Links from:** | | **GK- M3** Comparison of Length, Weight, Capacity and Number to 10 | |
| **Coherence Links to:** | | **G2- M2** Addition and Subtraction of Length Units  **G2- M7** Problem Solving with Length, Money and Data | |
| **Topic B:** Standard Length Units  (Lessons 4-6) | **Coherence Links from:** | | **GK- M3** Comparison of Length, Weight, Capacity and Number to 10 | |
| **Coherence Links to:** | | **G2- M2** Addition and Subtraction of Length Units  **G2- M7** Problem Solving with Length, Money and Data | |
| **Topic C:** Non-Standard and Standard Length Units  (Lesson 7-9) | **Coherence Links from:** | | **GK- M3** Comparison of Length, Weight, Capacity and Number to 10 | |
| **Coherence Links to:** | | **G2- M2** Addition and Subtraction of Length Units  **G2- M7** Problem Solving with Length, Money and Data | |
| **Topic D:** Data Interpretation  (Lessons 10-13) | **Coherence Links from:** | | **GK- M3** Comparison of Length, Weight, Capacity and Number to 10 | |
| **Coherence Links to:** | | **G2- M2** Addition and Subtraction of Length Units | |
| **Module 4: Place Value, Comparison, Addition and Subtraction to 40** | | | | |
| **Topic A:** Tens and Ones  (Lessons 1-6) | **Coherence Links from:** | | **G1-M2** Introduction to Place Value Through Addition and Subtraction within 20 | |
| **Coherence Links to:** | | **G2- M3** Place Value, Counting, Comparison of Numbers to 1,200 | |
| **Topic B**: Comparison of Pairs of Two-Digit Numbers  (Lessons 7-10) | **Coherence Links from:** | | **G1-M2** Introduction to Place Value Through Addition and Subtraction within 20 | |
| **Coherence Links to:** | | **G2- M3** Place Value, Counting, Comparison of Numbers to 1,200 | |
| **Topic C:** Addition and Subtraction of Tens  (Lessons 11-12) | **Coherence Links from:** | | **G1-M2** Introduction to Place Value Through Addition and Subtraction within 20 | |
| **Coherence Links to:** | | **G1- M6** Place Value to 120, Comparison, Understanding Income with Addition and Subtraction to 100  **G2- M3** Place Value, Counting, Comparison of Numbers to 1,200 | |
| **Topic D**: Addition of Tens or Ones to a Two-Digit Number  (Lessons 13-18) | **Coherence Links from:** | | **G1-M2** Introduction to Place Value Through Addition and Subtraction within 20 | |
| **Coherence Links to:** | | **G1- M6** Place Value to 120, Comparison, Understanding Income with Addition and Subtraction to 100  **G2- M4** Addition and Subtraction Within 200 with Word Problems to 100 | |
| **Topic E:** Varied Problem Types within 20  (Lessons 19-22) | **Coherence Links from:** | | **G1-M2** Introduction to Place Value Through Addition and Subtraction within 20 | |
| **Coherence Links to:** | | **G1- M6** Place Value to 120, Comparison, Understanding Income with Addition and Subtraction to 100  **G2- M4** Addition and Subtraction Within 200 with Word Problems to 100 | |
| **Topic F:** Addition of Tens and Ones to a Two-Digit Number  (Lessons 23-29) | **Coherence Links from:** | | **G1-M2** Introduction to Place Value Through Addition and Subtraction within 20 | |
| **Coherence Links to:** | | **G1- M6** Place Value to 120, Comparison, Understanding Income with Addition and Subtraction to 100  **G2- M4** Addition and Subtraction Within 200 with Word Problems to 100 | |
| **Module 5: Identifying, Composing, and Partitioning Shapes** | | | | |
| **Topic A:** Attributes of Shapes  (Lessons 1-3) | **Coherence Links from:** | | **GK-M2** Two- Dimensional and Three-Dimensional Shapes | |
| **Coherence Links to:** | | **G2- M8** Time, Shapes and Equal Parts of Shapes | |
| **Topic B:** Part- Whole Relationships within Composite Shapes  (Lessons 4-6) | **Coherence Links from:** | | **GK-M2** Two- Dimensional and Three-Dimensional Shapes | |
| **Coherence Links to:** | | **G2- M8** Time, Shapes and Equal Parts of Shapes | |
| **Topic C:** Halves and Quarters of Rectangles and Circles  (Lessons 7-9) | **Coherence Links from:** | | **GK-M2** Two- Dimensional and Three-Dimensional Shapes | |
| **Coherence Links to:** | | **G2- M8** Time, Shapes and Equal Parts of Shapes | |
| **Topic D:** Application of Halves to Tell Time  (Lessons 10-13) | **Coherence Links from:** | | **GK-M2** Two- Dimensional and Three-Dimensional Shapes | |
| **Coherence Links to:** | | **G2- M8** Time, Shapes and Equal Parts of Shapes | |
| **Module 6: Place Value, Comparison, Understanding Income with Addition and Subtraction to 100** | | | | |
| **Topic A:** Comparison Word Problems  (Lessons 1-2) | **Coherence Links from:** | | **G1-M3** Ordering and Comparing Length Measurements as Numbers  **G1-M4** Place Value, Comparison, Addition and Subtraction to 40 | |
| **Coherence Links to:** | | **G2-M7** Problem Solving with Length, Money and Data | |
| **Topic B:** Numbers to 120  (Lessons 3-9) | **Coherence Links from:** | | **G1-M3** Ordering and Comparing Length Measurements as Numbers  **G1-M4** Place Value, Comparison, Addition and Subtraction to 40 | |
| **Coherence Links to:** | | **G2-M7** Problem Solving with Length, Money and Data | |
| **Topic C:** Addition to 100 Using Place Value Understanding  (Lessons 10-17) | **Coherence Links from:** | | **G1-M4** Place Value, Comparison, Addition and Subtraction to 40 | |
| **Coherence Links to:** | | **G2-M3** Place Value, Counting, and Comparison of Numbers to 1,200 | |
| **Topic C:** Addition to 100 Using Place Value Understanding  (Lessons 10-17) | **Coherence Links from:** | | **G1-M4** Place Value, Comparison, Addition and Subtraction to 40 | |
| **Coherence Links to:** | | **G2-M3** Place Value, Counting, and Comparison of Numbers to 1,200 | |
| **Topic D:** Varied Place Value Strategies for Addition to 100  (Lessons 18-19) | **Coherence Links from:** | | **G1-M4** Place Value, Comparison, Addition and Subtraction to 40 | |
| **Coherence Links to:** | | **G2-M3** Place Value, Counting, and Comparison of Numbers to 1,200 | |
| **Topic E:** Coins and Their Values  (Lessons 20-24) | **Coherence Links from:** | | **G1-M4** Place Value, Comparison, Addition and Subtraction to 40 | |
| **Coherence Links to:** | | **G2-M3** Place Value, Counting, and Comparison of Numbers to 1,200 | |
| **Topic F:** Income and Responsible Spending  (Lessons 25-27) | **Coherence Links from:** | | **GK-M5** Numbers to 10-20, Counting to 100, and Understanding Work | |
| **Coherence Links to:** | | **G2-M7** Problem Solving with Length, Money and Data | |
| **Topic G:** Varied Problem Types within 20  (Lessons 28-30) | **Coherence Links from:** | | **G1-M3** Ordering and Comparing Length Measurements as Numbers  **G1-M4** Place Value, Comparison, Addition and Subtraction to 40 | |
| **Coherence Links to:** | | **G2-M7** Problem Solving with Length, Money and Data | |
| **Topic H:** Culminating Experiences  (Lessons 31-32) | **Coherence Links from:** | | **G1-M4** Place Value, Comparison, Addition and Subtraction to 40 | |
| **Coherence Links to:** | | **G2-M3** Place Value, Counting, and Comparison of Numbers to 1,200 | |