# TOUCHMATH®

## Indiana Academic Standards

**Subject:** Mathematics

**Grades:** K, 1, 2, 3, 4, 5

### Grade: **K** - Adopted: **2023**

| STANDARD | NAME | TOUCHMATH  UNITS AND MODULES |
|---|---|---|
| PS.1: | Make sense of problems and persevere in solving them. | Unit 1: Numbers & Operations Level 1 \| Module 4: Addition<br>Unit 1: Numbers & Operations Level 1 \| Module 5: Subtraction<br>Unit 1: Numbers & Operations Level 1 \| Module 6: Addition & Subtraction<br>Unit 2: Number & Operations Level 2 \| Module 3: Addition<br>Unit 2: Number & Operations Level 2 \| Module 4: Subtraction<br>Unit 2: Number & Operations Level 2 \| Module 5: Addition & Subtraction<br>Unit 2: Number & Operations Level 2 \| Module 6: Composing & Decomposing<br>Unit 3: Number & Operations Level 3 \| Module 1: Composing & Decomposing 10<br><br>Unit 3: Number & Operations Level 3 \| Module 2: Numbers 10-15<br>Unit 3: Number & Operations Level 3 \| Module 3: Numbers 16-20<br>Unit 3: Number & Operations Level 3 \| Module 5: Word Problems |
| PS.4: | Model with mathematics. | Unit 1: Numbers & Operations Level 1 \| Module 1: Representing 0-3 |

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| | | Unit 1: Numbers & Operations Level 1 \| Module 2: Representing 4-5 |
| | | Unit 1: Numbers & Operations Level 1 \| Module 3: Comparing |
| | | Unit 1: Numbers & Operations Level 1 \| Module 4: Addition |
| | | Unit 1: Numbers & Operations Level 1 \| Module 5: Subtraction |
| | | Unit 1: Numbers & Operations Level 1 \| Module 6: Addition & Subtraction |
| | | Unit 2: Number & Operations Level 2 \| Module 1: Representing 6-7 |
| | | Unit 2: Number & Operations Level 2 \| Module 2: Representing 8-9 |
| | | Unit 2: Number & Operations Level 2 \| Module 3: Addition |
| | | Unit 2: Number & Operations Level 2 \| Module 4: Subtraction |
| | | Unit 2: Number & Operations Level 2 \| Module 5: Addition & Subtraction |
| | | Unit 2: Number & Operations Level 2 \| Module 6: Composing & Decomposing |
| | | Unit 3: Number & Operations Level 3 \| Module 1: Composing & Decomposing 10 |
| | | Unit 3: Number & Operations Level 3 \| Module 2: Numbers 10-15 |
| | | Unit 3: Number & Operations Level 3 \| Module 3: Numbers 16-20 |
| | | Unit 3: Number & Operations Level 3 \| Module 4: Place Value |
| | | Unit 3: Number & Operations Level 3 \| Module 6: Counting |
| | | Unit 4: Measurement, Geometry, & Data \| Module 1: Describing Length |
| | | Unit 4: Measurement, Geometry, & Data \| Module 2: Sorting & Classifying |
| | | Unit 4: Measurement, Geometry, & Data \| Module 3: Data |
| | | Unit 4: Measurement, Geometry, & Data \| Module 4: 2-D Shapes |
| | | Unit 4: Measurement, Geometry, & Data \| Module 5: 3-D Shapes |
| PS.5: | Use appropriate tools strategically. | Unit 4: Measurement, Geometry, & Data \| Module 4: 2-D Shapes |
| PS.7: | Look for and make use of structure. | Unit 1: Numbers & Operations Level 1 \| Module 1: Representing 0-3 |
| | | Unit 1: Numbers & Operations Level 1 \| Module 2: Representing 4-5 |
| | | Unit 2: Number & Operations Level 2 \| Module 1: Representing 6-7 |
| | | Unit 2: Number & Operations Level 2 \| Module 2: Representing 8-9 |
| | | Unit 2: Number & Operations Level 2 \| Module 6: Composing & Decomposing |

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| | | Unit 3: Number & Operations Level 3 \| Module 1: Composing & Decomposing 10 |
| | | Unit 3: Number & Operations Level 3 \| Module 2: Numbers 10-15 |
| | | Unit 3: Number & Operations Level 3 \| Module 3: Numbers 16-20 |
| | | Unit 3: Number & Operations Level 3 \| Module 4: Place Value |
| | | Unit 4: Measurement, Geometry, & Data \| Module 3: Data |
| | | Unit 4: Measurement, Geometry, & Data \| Module 4: 2-D Shapes |
| | | Unit 4: Measurement, Geometry, & Data \| Module 5: 3-D Shapes |
| | | Unit 4: Measurement, Geometry, & Data \| Module 6: Shapes in the Environment |
| | **Kindergarten Mathematics** | |
| | Number Sense – Learning Outcome: Students explore the foundations of numbers through counting strategies, one-to-one correspondence, and place value of numbers up to 20. | Unit 1: Numbers & Operations Level 1 \| Module 1: Representing 0-3 |
| | | Unit 1: Numbers & Operations Level 1 \| Module 2: Representing 4-5 |
| | | Unit 1: Numbers & Operations Level 1 \| Module 3: Comparing |
| | | Unit 1: Numbers & Operations Level 1 \| Module 6: Addition & Subtraction |
| | | Unit 2: Number & Operations Level 2 \| Module 1: Representing 6-7 |
| | | Unit 2: Number & Operations Level 2 \| Module 2: Representing 8-9 |
| | | Unit 2: Number & Operations Level 2 \| Module 3: Addition |
| | | Unit 2: Number & Operations Level 2 \| Module 4: Subtraction |
| | | Unit 2: Number & Operations Level 2 \| Module 5: Addition & Subtraction |
| | | Unit 3: Number & Operations Level 3 \| Module 1: Composing & Decomposing 10 |
| | | Unit 3: Number & Operations Level 3 \| Module 2: Numbers 10-15 |
| | | Unit 3: Number & Operations Level 3 \| Module 3: Numbers 16-20 |
| | | Unit 3: Number & Operations Level 3 \| Module 4: Place Value |
| | | Unit 3: Number & Operations Level 3 \| Module 6: Counting |
| | | Unit 4: Measurement, Geometry, & Data \| Module 3: Data |

| | Computation and Algebraic Thinking – Learning Outcome: Within the numbers 1-10, students use objects and drawings to model the composing (addition) and decomposing (subtraction) of numbers, and solve real-world problems. Students investigate beginning algebra concepts through simple repeating and growing patterns. | Unit 1: Numbers & Operations Level 1 \| Module 4: Addition<br>Unit 1: Numbers & Operations Level 1 \| Module 5: Subtraction<br>Unit 1: Numbers & Operations Level 1 \| Module 6: Addition & Subtraction<br>Unit 2: Number & Operations Level 2 \| Module 3: Addition<br>Unit 2: Number & Operations Level 2 \| Module 4: Subtraction<br>Unit 2: Number & Operations Level 2 \| Module 5: Addition & Subtraction<br>Unit 2: Number & Operations Level 2 \| Module 6: Composing & Decomposing<br>Unit 3: Number & Operations Level 3 \| Module 1: Composing & Decomposing 10<br><br>Unit 3: Number & Operations Level 3 \| Module 2: Numbers 10-15<br>Unit 3: Number & Operations Level 3 \| Module 3: Numbers 16-20<br>Unit 3: Number & Operations Level 3 \| Module 4: Place Value<br>Unit 3: Number & Operations Level 3 \| Module 5: Word Problems |
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| | Geometry – Learning Outcome: Students investigate and compare two- and three-dimensional shapes based on simple attributes. | Unit 4: Measurement, Geometry, & Data \| Module 3: Data<br>Unit 4: Measurement, Geometry, & Data \| Module 4: 2-D Shapes<br>Unit 4: Measurement, Geometry, & Data \| Module 5: 3-D Shapes |

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| | Measurement – Learning Outcome: Students investigate beginning concepts of length, weight, capacity, temperature, and time through observations of direct comparisons. | Unit 4: Measurement, Geometry, & Data \| Module 1: Describing Length<br>Unit 4: Measurement, Geometry, & Data \| Module 2: Sorting & Classifying<br>Unit 4: Measurement, Geometry, & Data \| Module 3: Data |
| | Data Analysis – Learning Outcome: Students begin interacting with data to create and interpret data for patterns and comparison. | Unit 4: Measurement, Geometry, & Data \| Module 3: Data<br>Unit 4: Measurement, Geometry, & Data \| Module 5: 3-D Shapes |

## Grade: 1 - Adopted: 2023

| | **Mathematics Process Standards** | |
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| PS.1: | Make sense of problems and persevere in solving them. | Unit 1: Numbers & Operations Level 1 \| Module 3: Within 5<br>Unit 1: Numbers & Operations Level 1 \| Module 4: Addition within 9<br>Unit 1: Numbers & Operations Level 1 \| Module 5: Subtraction within 9<br>Unit 1: Numbers & Operations Level 1 \| Module 6: Within 9<br>Unit 2: Numbers & Operations Level 2 \| Module 2: Addition within 13<br>Unit 2: Numbers & Operations Level 2 \| Module 3: Addition within 20<br>Unit 2: Numbers & Operations Level 2 \| Module 4: Backward Counting<br>Unit 2: Numbers & Operations Level 2 \| Module 5: Subtraction within 20<br>Unit 2: Numbers & Operations Level 2 \| Module 6: Within 20 |

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| | | Unit 3: Numbers & Operations Level 3 \| Module 2: Addition within 100 |
| | | Unit 3: Numbers & Operations Level 3 \| Module 3: Mixed Addition |
| | | Unit 3: Numbers & Operations Level 3 \| Module 4: Addition Strategies |
| | | Unit 3: Numbers & Operations Level 3 \| Module 5: Subtraction within 100 |
| | | Unit 3: Numbers & Operations Level 3 \| Module 6: Subtraction Strategies |
| | | Unit 3: Numbers & Operations Level 3 \| Module 7: Within 100 |
| | | Unit 4: Measurement, Geometry & Data \| Module 1: Time & Money |
| | | Unit 4: Measurement, Geometry & Data \| Module 2: Length |
| PS.2: | Reason abstractly and quantitatively. | Unit 2: Numbers & Operations Level 2 \| Module 4: Backward Counting |
| | | Unit 2: Numbers & Operations Level 2 \| Module 5: Subtraction within 20 |
| PS.4: | Model with mathematics. | Unit 1: Numbers & Operations Level 1 \| Module 1: Counting |
| | | Unit 1: Numbers & Operations Level 1 \| Module 2: TouchPoints |
| | | Unit 2: Numbers & Operations Level 2 \| Module 1: Place Value |
| | | Unit 2: Numbers & Operations Level 2 \| Module 2: Addition within 13 |
| | | Unit 2: Numbers & Operations Level 2 \| Module 3: Addition within 20 |
| | | Unit 2: Numbers & Operations Level 2 \| Module 5: Subtraction within 20 |
| | | Unit 2: Numbers & Operations Level 2 \| Module 6: Within 20 |
| | | Unit 3: Numbers & Operations Level 3 \| Module 1: Place Value |
| | | Unit 4: Measurement, Geometry & Data \| Module 2: Length |
| PS.5: | Use appropriate tools strategically. | Unit 4: Measurement, Geometry & Data \| Module 2: Length |
| PS.7: | Look for and make use of structure. | Unit 1: Numbers & Operations Level 1 \| Module 2: TouchPoints |
| | | Unit 2: Numbers & Operations Level 2 \| Module 1: Place Value |

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| | | Unit 2: Numbers & Operations Level 2 | Module 5: Subtraction within 20 |
| | | Unit 3: Numbers & Operations Level 3 | Module 1: Place Value |
| | | Unit 3: Numbers & Operations Level 3 | Module 2: Addition within 100 |
| | | Unit 3: Numbers & Operations Level 3 | Module 3: Mixed Addition |
| | | Unit 3: Numbers & Operations Level 3 | Module 4: Addition Strategies |
| | | Unit 3: Numbers & Operations Level 3 | Module 5: Subtraction within 100 |
| | | Unit 3: Numbers & Operations Level 3 | Module 6: Subtraction Strategies |
| | | Unit 3: Numbers & Operations Level 3 | Module 7: Within 100 |
| | | Unit 4: Measurement, Geometry & Data | Module 1: Time & Money |
| | | Unit 4: Measurement, Geometry & Data | Module 2: Length |
| | | Unit 4: Measurement, Geometry & Data | Module 3: Data |
| | | Unit 4: Measurement, Geometry & Data | Module 4: 2-D Shapes |
| | | Unit 4: Measurement, Geometry & Data | Module 5: 3-D Shapes |
| | | Unit 4: Measurement, Geometry & Data | Module 6: Fractional Parts of Shapes |
| | **Grade 1 Mathematics** | |
| | Number Sense – Learning Outcome: Students fluently count, read, and represent numbers up to 120 and apply place value concepts to two-digit numbers. | Unit 1: Numbers & Operations Level 1 | Module 1: Counting <br> Unit 1: Numbers & Operations Level 1 | Module 2: TouchPoints <br> Unit 2: Numbers & Operations Level 2 | Module 1: Place Value <br> Unit 2: Numbers & Operations Level 2 | Module 3: Addition within 20 <br> Unit 2: Numbers & Operations Level 2 | Module 4: Backward Counting <br> Unit 2: Numbers & Operations Level 2 | Module 5: Subtraction within 20 <br> Unit 2: Numbers & Operations Level 2 | Module 6: Within 20 <br> Unit 3: Numbers & Operations Level 3 | Module 1: Place Value <br> Unit 3: Numbers & Operations Level 3 | Module 2: Addition within 100 <br> Unit 3: Numbers & Operations Level 3 | Module 4: Addition Strategies <br> Unit 3: Numbers & Operations Level 3 | Module 5: Subtraction within 100 |

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| | | Unit 3: Numbers & Operations Level 3 \| Module 6: Subtraction Strategies | |
| | | Unit 3: Numbers & Operations Level 3 \| Module 7: Within 100 | |
| | Computation and Algebraic Thinking – Learning Outcome: Within the numbers 1-20, students demonstrate fluency and apply addition and subtraction strategies to solve real-world problems. Students apply place value and number sense to add numbers within 100 and investigate beginning algebra concepts through the growing number patterns within 100. | | |
| | | Unit 1: Numbers & Operations Level 1 \| Module 2: TouchPoints | |
| | | Unit 1: Numbers & Operations Level 1 \| Module 3: Within 5 | |
| | | Unit 1: Numbers & Operations Level 1 \| Module 4: Addition within 9 | |
| | | Unit 1: Numbers & Operations Level 1 \| Module 5: Subtraction within 9 | |
| | | Unit 1: Numbers & Operations Level 1 \| Module 6: Within 9 | |
| | | Unit 2: Numbers & Operations Level 2 \| Module 1: Place Value | |
| | | Unit 2: Numbers & Operations Level 2 \| Module 2: Addition within 13 | |
| | | Unit 2: Numbers & Operations Level 2 \| Module 3: Addition within 20 | |
| | | Unit 2: Numbers & Operations Level 2 \| Module 5: Subtraction within 20 | |
| | | Unit 2: Numbers & Operations Level 2 \| Module 6: Within 20 | |
| | | Unit 3: Numbers & Operations Level 3 \| Module 1: Place Value | |
| | | Unit 3: Numbers & Operations Level 3 \| Module 2: Addition within 100 | |
| | | Unit 3: Numbers & Operations Level 3 \| Module 3: Mixed Addition | |
| | | Unit 3: Numbers & Operations Level 3 \| Module 4: Addition Strategies | |
| | | Unit 3: Numbers & Operations Level 3 \| Module 5: Subtraction within 100 | |
| | | Unit 3: Numbers & Operations Level 3 \| Module 6: Subtraction Strategies | |
| | | Unit 3: Numbers & Operations Level 3 \| Module 7: Within 100 | |

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| | Geometry – Learning Outcome: Students make observations about a shape's defining attributes and utilize them to classify, draw, and compose two-dimensional or three-dimensional shapes. Students begin exploring fractional foundations through the partitioning of rectangles and circles. | Unit 4: Measurement, Geometry & Data \| Module 4: 2-D Shapes<br>Unit 4: Measurement, Geometry & Data \| Module 5: 3-D Shapes<br>Unit 4: Measurement, Geometry & Data \| Module 6: Fractional Parts of Shapes |
| | Measurement – Learning Outcome: Using standard and non-standard measurements, students compare and order objects, tell time to the hour and half-hour, and investigate beginning concepts of money. | Unit 4: Measurement, Geometry & Data \| Module 1: Time & Money<br>Unit 4: Measurement, Geometry & Data \| Module 2: Length |
| | Data Analysis – Learning Outcome: Students collect, organize, and evaluate simple data using grade-level appropriate strategies. | -<br>Unit 4: Measurement, Geometry & Data \| Module 3: Data |

## Grade: 2 - Adopted: 2023

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| | **Mathematics Process Standards** | |

| PS.1: | Make sense of problems and persevere in solving them. | |
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| | | Unit 1: Addition & Subtraction Level 1 \| Module 2: Addition |
| | | Unit 1: Addition & Subtraction Level 1 \| Module 4: Subtraction |
| | | Unit 1:Addition& Subtraction Level 1 \| Module 1: Within 13 |
| | | Unit 1:Addition& Subtraction Level 1 \| Module 2: Within 20 |
| | | Unit 1:Addition& Subtraction Level 1 \| Module 3: Within 50 |
| | | Unit 1:Addition& Subtraction Level 1 \| Module 4: Addition with Regrouping |
| | | Unit 1:Addition& Subtraction Level 1 \| Module 5: Subtraction with Regrouping |
| | | Unit 1:Addition& Subtraction Level 1 \| Module 6: Mixed Regrouping |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 4: Addition within 100 |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 5: Subtraction within 100 |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 6: Within 100 |
| | | Unit 3: Operations with Multi-Digit Numbers \| Module 1: Multiples of 10 & 100 |
| | | Unit 3: Operations with Multi-Digit Numbers \| Module 2: Addition within 1,000 |
| | | Unit 3: Operations with Multi-Digit Numbers \| Module 3: Subtraction within 1,000 |
| | | Unit 3: Operations with Multi-Digit Numbers \| Module 4: Mixed Operations |
| | | Unit 3: Operations with Multi-Digit Numbers \| Module 5: Multiplication 1 |
| | | Unit 3: Operations with Multi-Digit Numbers \| Module 6: Multiplication 2 |
| | | Unit 4: Measurement, Geometry & Data \| Module 1: Time |
| | | Unit 4: Measurement, Geometry & Data \| Module 2: Money |
| | | Unit 4: Measurement, Geometry & Data \| Module 3: Data |
| | | Unit 4: Measurement, Geometry & Data \| Module 4: Measurement |
| | | Unit 4: Measurement, Geometry & Data \| Module 5: Operations with Length |
| PS.2: | Reason abstractly and quantitatively. | |
| | | Unit 1:Addition& Subtraction Level 1 \| Module 4: Addition with Regrouping |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 6: Within 100 |
| | | Unit 3: Operations with Multi-Digit Numbers \| Module 2: Addition within 1,000 |

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| | | Unit 3: Operations with Multi-Digit Numbers \| Module 3: Subtraction within 1,000<br>Unit 3: Operations with Multi-Digit Numbers \| Module 4: Mixed Operations<br>Unit 3: Operations with Multi-Digit Numbers \| Module 5: Multiplication 1<br>Unit 4: Measurement, Geometry & Data \| Module 6: Geometry |
| PS.4: | Model with mathematics. | <br><br>-<br>Unit 1: Addition & Subtraction Level 1 \| Module 3: Backward Counting<br>Unit 2: Addition & Subtraction Level 2 \| Module 1: Place Value<br>Unit 2: Addition & Subtraction Level 2 \| Module 2: Counting & Reading<br>Unit 4: Measurement, Geometry & Data \| Module 6: Geometry |
| PS.5: | Use appropriate tools strategically. | <br><br>-<br>Unit 4: Measurement, Geometry & Data \| Module 3: Data<br>Unit 4: Measurement, Geometry & Data \| Module 4: Measurement<br>Unit 4: Measurement, Geometry & Data \| Module 5: Operations with Length |
| PS.6: | Attend to precision. | <br><br>-<br>Unit 4: Measurement, Geometry & Data \| Module 4: Measurement<br>Unit 4: Measurement, Geometry & Data \| Module 5: Operations with Length |
| PS.7: | v | <br><br>-<br>Unit 1: Addition & Subtraction Level 1 \| Module 1: Forward Counting<br>Unit 1: Addition & Subtraction Level 1 \| Module 3: Backward Counting<br>Unit 1: Addition & Subtraction Level 1 \| Module 4: Subtraction<br>Unit 1:Addition& Subtraction Level 1 \| Module 1: Within 13<br>Unit 1:Addition& Subtraction Level 1 \| Module 2: Within 20<br>Unit 1:Addition& Subtraction Level 1 \| Module 3: Within 50<br>Unit 1:Addition& Subtraction Level 1 \| Module 4: Addition with Regrouping<br>Unit 1:Addition& Subtraction Level 1 \| Module 5: Subtraction with Regrouping |

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| | | | Unit 1:Addition& Subtraction Level 1 \| Module 6: Mixed Regrouping<br>Unit 2: Addition & Subtraction Level 2 \| Module 1: Place Value<br>Unit 2: Addition & Subtraction Level 2 \| Module 2: Counting & Reading<br>Unit 2: Addition & Subtraction Level 2 \| Module 3: Reading & Writing<br>Unit 2: Addition & Subtraction Level 2 \| Module 4: Addition within 100<br>Unit 2: Addition & Subtraction Level 2 \| Module 5: Subtraction within 100<br>Unit 2: Addition & Subtraction Level 2 \| Module 6: Within 100<br>Unit 3: Operations with Multi-Digit Numbers \| Module 6: Multiplication 2<br>Unit 4: Measurement, Geometry & Data \| Module 1: Time<br>Unit 4: Measurement, Geometry & Data \| Module 2: Money<br>Unit 4: Measurement, Geometry & Data \| Module 4: Measurement<br>Unit 4: Measurement, Geometry & Data \| Module 5: Operations with Length<br>Unit 4: Measurement, Geometry & Data \| Module 6: Geometry |
| PS.8: | | Look for and express regularity in repeated reasoning. | Unit 3: Operations with Multi-Digit Numbers \| Module 1: Multiples of 10 & 100<br><br>Unit 3: Operations with Multi-Digit Numbers \| Module 2: Addition within 1,000<br>Unit 3: Operations with Multi-Digit Numbers \| Module 3: Subtraction within 1,000<br>Unit 3: Operations with Multi-Digit Numbers \| Module 5: Multiplication 1<br>Unit 3: Operations with Multi-Digit Numbers \| Module 6: Multiplication 2 |
| | | **Grade 2 Mathematics** | |
| | | Number Sense – Learning Outcome: Students fluently count, read, and represent numbers up to 1,000 using place value concepts. | Unit 1: Addition & Subtraction Level 1 \| Module 1: Forward Counting<br>Unit 1: Addition & Subtraction Level 1 \| Module 2: Addition<br>Unit 1: Addition & Subtraction Level 1 \| Module 3: Backward Counting |

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| | | Unit 1: Addition & Subtraction Level 1 \| Module 4: Subtraction<br>Unit 2: Addition & Subtraction Level 2 \| Module 1: Place Value<br>Unit 2: Addition & Subtraction Level 2 \| Module 2: Counting & Reading<br>Unit 2: Addition & Subtraction Level 2 \| Module 3: Reading & Writing<br>Unit 2: Addition & Subtraction Level 2 \| Module 6: Within 100<br>Unit 3: Operations with Multi-Digit Numbers \| Module 1: Multiples of 10 & 100<br><br>Unit 3: Operations with Multi-Digit Numbers \| Module 2: Addition within 1,000<br>Unit 3: Operations with Multi-Digit Numbers \| Module 3: Subtraction within 1,000<br>Unit 3: Operations with Multi-Digit Numbers \| Module 4: Mixed Operations<br>Unit 3: Operations with Multi-Digit Numbers \| Module 5: Multiplication 1<br>Unit 3: Operations with Multi-Digit Numbers \| Module 6: Multiplication 2<br>Unit 4: Measurement, Geometry & Data \| Module 1: Time<br>Unit 4: Measurement, Geometry & Data \| Module 2: Money |
| | Computation and Algebraic Thinking – Learning Outcome: Within the numbers 1-100, students apply place value concepts and addition and subtraction concepts to solve real-world problems and reason about their strategies and solutions. Students explore effects of properties of addition on solutions and investigate number patterns, and apply concepts of addition and subtraction within 1,000. | - <br>Unit 1: Addition & Subtraction Level 1 \| Module 2: Addition<br>Unit 1: Addition & Subtraction Level 1 \| Module 4: Subtraction<br>Unit 1:Addition& Subtraction Level 1 \| Module 1: Within 13<br>Unit 1:Addition& Subtraction Level 1 \| Module 2: Within 20<br>Unit 1:Addition& Subtraction Level 1 \| Module 3: Within 50<br>Unit 1:Addition& Subtraction Level 1 \| Module 4: Addition with Regrouping<br>Unit 1:Addition& Subtraction Level 1 \| Module 5: Subtraction with Regrouping |

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| | | Unit 1:Addition& Subtraction Level 1 \| Module 6: Mixed Regrouping<br>Unit 2: Addition & Subtraction Level 2 \| Module 4: Addition within 100<br>Unit 2: Addition & Subtraction Level 2 \| Module 5: Subtraction within 100<br>Unit 2: Addition & Subtraction Level 2 \| Module 6: Within 100<br>Unit 3: Operations with Multi-Digit Numbers \| Module 1: Multiples of 10 & 100<br><br>Unit 3: Operations with Multi-Digit Numbers \| Module 2: Addition within 1,000<br>Unit 3: Operations with Multi-Digit Numbers \| Module 3: Subtraction within 1,000<br>Unit 3: Operations with Multi-Digit Numbers \| Module 4: Mixed Operations<br>Unit 3: Operations with Multi-Digit Numbers \| Module 6: Multiplication 2 |
| | Geometry – Learning Outcome: Students investigate and classify two- and three-dimensional shapes based on faces, sides, and vertices, and investigate the results of composing and decomposing each shape. Students continue to build foundational fraction knowledge through specific partitioning and naming of rectangles and circles. | -<br>Unit 3: Operations with Multi-Digit Numbers \| Module 6: Multiplication 2<br>Unit 4: Measurement, Geometry & Data \| Module 6: Geometry |
| | Measurement – Learning Outcome: Students use appropriate tools, computation strategies, and relationships of measurement to solve real-world problems including measurements of length and capacity, telling time to the nearest five minutes, and collections of coins and dollars. | - |

| | | Unit 4: Measurement, Geometry & Data | Module 1: Time |
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| | | Unit 4: Measurement, Geometry & Data | Module 2: Money |
| | | Unit 4: Measurement, Geometry & Data | Module 3: Data |
| | | Unit 4: Measurement, Geometry & Data | Module 4: Measurement |
| | | Unit 4: Measurement, Geometry & Data | Module 5: Operations with Length |
| | Data Analysis – Learning Outcome: Students interact with a variety of data collection models and evaluate mathematical relationships within the data using grade-level appropriate strategies. | Unit 4: Measurement, Geometry & Data | Module 3: Data |

| Grade: 3 - Adopted: 2023 |
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| | **Mathematics Process Standards** | |
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| PS.1: | Make sense of problems and persevere in solving them. | Unit 1: Addition & Subtraction Level 1 \| Module 2: Addition<br>Unit 1: Addition & Subtraction Level 1 \| Module 4: Subtraction<br>Unit 1: Addition & Subtraction Level 1 \| Module 5: Fact Families<br>Unit 1: Addition & Subtraction Level 1 \| Module 6: Place Value<br>Unit 1: Addition & Subtraction Level 1 \| Module 7: Strategies<br>Unit 1: Addition & Subtraction Level 1 \| Module 8: Mixed Addition & Subtraction<br><br>Unit 2: Addition & Subtraction Level 2 \| Module 1: Counting to 1,000<br>Unit 2: Addition & Subtraction Level 2 \| Module 2: Within 20<br>Unit 2: Addition & Subtraction Level 2 \| Module 4: Within 100<br>Unit 2: Addition & Subtraction Level 2 \| Module 5: Strategies<br>Unit 2: Addition & Subtraction Level 2 \| Module 6: Three-Digit Numbers<br>Unit 3: Skip Counting \| Module 1: Skip Counting by 2 |

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| | | Unit 3: Skip Counting \| Module 2: Skip Counting by 3 |
| | | Unit 3: Skip Counting \| Module 3: Skip Counting by 4 |
| | | Unit 3: Skip Counting \| Module 4: Skip Counting by 5 |
| | | Unit 3: Skip Counting \| Module 5: Skip Counting by 6 |
| | | Unit 3: Skip Counting \| Module 6: Skip Counting by 7 |
| | | Unit 3: Skip Counting \| Module 7: Skip Counting by 8 |
| | | Unit 3: Skip Counting \| Module 8: Skip Counting by 9 |
| | | Unit 4: Multiplication & Division Level 1 \| Module 1: Skip Counting Review |
| | | Unit 4: Multiplication & Division Level 1 \| Module 2: Multiplication |
| | | Unit 5: Multiplication & Division Level 2 \| Module 1: Multiplication by One Digit |
| | | Unit 5: Multiplication & Division Level 2 \| Module 2: Division by One Digit |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 1: Relationships of Operations |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two–Four Digits by One Digit |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two–Four Digits by Two Digits |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 4: Three–Four Digits by Three Digits |
| PS.2: | Reason abstractly and quantitatively. | |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 1: Counting to 1,000 |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 2: Within 20 |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 3: Place Value |
| | | Unit 3: Skip Counting \| Module 1: Skip Counting by 2 |
| | | Unit 3: Skip Counting \| Module 2: Skip Counting by 3 |
| | | Unit 3: Skip Counting \| Module 3: Skip Counting by 4 |
| | | Unit 3: Skip Counting \| Module 4: Skip Counting by 5 |
| | | Unit 3: Skip Counting \| Module 5: Skip Counting by 6 |
| | | Unit 3: Skip Counting \| Module 6: Skip Counting by 7 |
| | | Unit 3: Skip Counting \| Module 7: Skip Counting by 8 |
| | | Unit 3: Skip Counting \| Module 8: Skip Counting by 9 |

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| | | Unit 4: Multiplication & Division Level 1 \| Module 1: Skip Counting Review<br>Unit 5: Multiplication & Division Level 2 \| Module 2: Division by One Digit<br>Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two–Four Digits by One Digit<br>Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two–Four Digits by Two Digits |
| PS.4: | Model with mathematics. | Unit 1: Addition & Subtraction Level 1 \| Module 3: Backward Counting<br>Unit 2: Addition & Subtraction Level 2 \| Module 6: Three-Digit Numbers<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 1: Understanding Fractions<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 2: Application of Concepts |
| PS.7: | Look for and make use of structure. | Unit 1: Addition & Subtraction Level 1 \| Module 1: Forward Counting<br>Unit 1: Addition & Subtraction Level 1 \| Module 3: Backward Counting<br>Unit 1: Addition & Subtraction Level 1 \| Module 4: Subtraction<br>Unit 1: Addition & Subtraction Level 1 \| Module 5: Fact Families<br>Unit 1: Addition & Subtraction Level 1 \| Module 6: Place Value<br>Unit 1: Addition & Subtraction Level 1 \| Module 7: Strategies<br>Unit 1: Addition & Subtraction Level 1 \| Module 8: Mixed Addition & Subtraction<br><br>Unit 2: Addition & Subtraction Level 2 \| Module 1: Counting to 1,000<br>Unit 2: Addition & Subtraction Level 2 \| Module 3: Place Value<br>Unit 2: Addition & Subtraction Level 2 \| Module 4: Within 100<br>Unit 2: Addition & Subtraction Level 2 \| Module 5: Strategies<br>Unit 2: Addition & Subtraction Level 2 \| Module 6: Three-Digit Numbers<br>Unit 4: Multiplication & Division Level 1 \| Module 2: Multiplication<br>Unit 6: Mixed Operations with Whole Numbers \| Module 1: Relationships of Operations |

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| | | Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two–Four Digits by One Digit |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two–Four Digits by Two Digits |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 4: Three–Four Digits by Three Digits |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 1: Understanding Fractions |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 2: Application of Concepts |
| | | Unit 9: Measurement, Geometry & Data \| Module 1: 2-D Shapes |
| PS.8: | Look for and express regularity in repeated reasoning. | Unit 3: Skip Counting \| Module 1: Skip Counting by 2 |
| | | Unit 3: Skip Counting \| Module 2: Skip Counting by 3 |
| | | Unit 3: Skip Counting \| Module 3: Skip Counting by 4 |
| | | Unit 3: Skip Counting \| Module 4: Skip Counting by 5 |
| | | Unit 3: Skip Counting \| Module 5: Skip Counting by 6 |
| | | Unit 3: Skip Counting \| Module 6: Skip Counting by 7 |
| | | Unit 3: Skip Counting \| Module 7: Skip Counting by 8 |
| | | Unit 3: Skip Counting \| Module 8: Skip Counting by 9 |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two–Four Digits by One Digit |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 4: Three–Four Digits by Three Digits |
| | **Grade 3 Mathematics** | |
| | Number Sense – Learning Outcome: Students represent and round whole numbers up to 10,000. Students model, compare, and generate simple equivalent unit and non-unit fractions. | |

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| | | Unit 1: Addition & Subtraction Level 1 \| Module 1: Forward Counting<br>Unit 1: Addition & Subtraction Level 1 \| Module 3: Backward Counting<br>Unit 2: Addition & Subtraction Level 2 \| Module 1: Counting to 1,000<br>Unit 2: Addition & Subtraction Level 2 \| Module 3: Place Value<br>Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two–Four Digits by Two Digits<br>Unit 6: Mixed Operations with Whole Numbers \| Module 4: Three–Four Digits by Three Digits<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 1: Understanding Fractions<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 2: Application of Concepts |
| | Computation and Algebraic Thinking – Learning Outcome: Students use modeling and conceptual strategies to multiply and divide numbers within 100 in real-world situations. Students apply concepts and strategies of addition and subtraction to solve real-world problems and investigate number patterns through the application of concepts of multiplication and more complex concepts of addition within 100. | Unit 1: Addition & Subtraction Level 1 \| Module 2: Addition<br>Unit 1: Addition & Subtraction Level 1 \| Module 4: Subtraction<br>Unit 1: Addition & Subtraction Level 1 \| Module 5: Fact Families<br>Unit 1: Addition & Subtraction Level 1 \| Module 6: Place Value<br>Unit 1: Addition & Subtraction Level 1 \| Module 7: Strategies<br>Unit 1: Addition & Subtraction Level 1 \| Module 8: Mixed Addition & Subtraction<br><br>Unit 2: Addition & Subtraction Level 2 \| Module 2: Within 20 |

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| | | Unit 2: Addition & Subtraction Level 2 \| Module 4: Within 100 |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 5: Strategies |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 6: Three-Digit Numbers |
| | | Unit 3: Skip Counting \| Module 1: Skip Counting by 2 |
| | | Unit 3: Skip Counting \| Module 2: Skip Counting by 3 |
| | | Unit 3: Skip Counting \| Module 3: Skip Counting by 4 |
| | | Unit 3: Skip Counting \| Module 4: Skip Counting by 5 |
| | | Unit 3: Skip Counting \| Module 5: Skip Counting by 6 |
| | | Unit 3: Skip Counting \| Module 6: Skip Counting by 7 |
| | | Unit 3: Skip Counting \| Module 7: Skip Counting by 8 |
| | | Unit 3: Skip Counting \| Module 8: Skip Counting by 9 |
| | | Unit 4: Multiplication & Division Level 1 \| Module 2: Multiplication |
| | | Unit 5: Multiplication & Division Level 2 \| Module 1: Multiplication by One Digit |
| | | Unit 5: Multiplication & Division Level 2 \| Module 2: Division by One Digit |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 1: Relationships of Operations |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two–Four Digits by One Digit |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two–Four Digits by Two Digits |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 4: Three–Four Digits by Three Digits |
| | Geometry – Learning Outcome: Students continue to investigate and classify more complex two-dimensional shapes based on their attributes. | |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 1: Understanding Fractions |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 2: Application of Concepts |
| | | Unit 9: Measurement, Geometry & Data \| Module 1: 2-D Shapes |

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| | Data Analysis – Learning Outcome: Students collect and present data in multiple manners and solve multi-step problems with the data. | |
| | | Unit 3: Skip Counting \| Module 1: Skip Counting by 2<br>Unit 3: Skip Counting \| Module 2: Skip Counting by 3<br>Unit 3: Skip Counting \| Module 3: Skip Counting by 4<br>Unit 3: Skip Counting \| Module 4: Skip Counting by 5<br>Unit 3: Skip Counting \| Module 5: Skip Counting by 6<br>Unit 3: Skip Counting \| Module 6: Skip Counting by 7<br>Unit 3: Skip Counting \| Module 7: Skip Counting by 8<br>Unit 3: Skip Counting \| Module 8: Skip Counting by 9 |

<div align="center">Grade: <b>4</b> - Adopted: <b>2023</b></div>

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| | **Mathematics Process Standards** | |
| PS.1: | Make sense of problems and persevere in solving them. | Unit 10: Algebra \| Module 1: Operations & Equations<br>Unit 1: Addition & Subtraction Level 1 \| Module 5: Fact Families<br>Unit 1: Addition & Subtraction Level 1 \| Module 6: Place Value<br>Unit 1: Addition & Subtraction Level 1 \| Module 7: Strategies<br>Unit 1: Addition & Subtraction Level 1 \| Module 8: Mixed Addition & Subtraction<br><br>Unit 2: Addition & Subtraction Level 2 \| Module 1: Counting to 1,000<br>Unit 2: Addition & Subtraction Level 2 \| Module 2: Within 20<br>Unit 2: Addition & Subtraction Level 2 \| Module 4: Within 100<br>Unit 2: Addition & Subtraction Level 2 \| Module 5: Strategies<br>Unit 2: Addition & Subtraction Level 2 \| Module 6: Three-Digit Numbers<br>Unit 3: Skip Counting \| Module 1: Skip Counting by 2<br>Unit 3: Skip Counting \| Module 2: Skip Counting by 3 |

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| | | Unit 6: Mixed Operations with Whole Numbers \| Module 6: Mixed Practice with Operations<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 1: Addition & Subtraction of Fractions<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 2: Multiplication & Division of Fractions<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 7: Application<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 8: Mixed Review |
| PS.2: | Reason abstractly and quantitatively. | Unit 2: Addition & Subtraction Level 2 \| Module 1: Counting to 1,000<br>Unit 2: Addition & Subtraction Level 2 \| Module 2: Within 20<br>Unit 2: Addition & Subtraction Level 2 \| Module 3: Place Value<br>Unit 3: Skip Counting \| Module 1: Skip Counting by 2<br>Unit 3: Skip Counting \| Module 2: Skip Counting by 3<br>Unit 3: Skip Counting \| Module 3: Skip Counting by 4<br>Unit 3: Skip Counting \| Module 4: Skip Counting by 5<br>Unit 3: Skip Counting \| Module 5: Skip Counting by 6<br>Unit 3: Skip Counting \| Module 6: Skip Counting by 7<br>Unit 3: Skip Counting \| Module 7: Skip Counting by 8<br>Unit 3: Skip Counting \| Module 8: Skip Counting by 9<br>Unit 4: Multiplication & Division Level 1 \| Module 1: Skip Counting Review<br>Unit 4: Multiplication & Division Level 1 \| Module 5: Multiples & Factors<br>Unit 4: Multiplication & Division Level 1 \| Module 6: Mixed Multiplication & Division<br>Unit 5: Multiplication & Division Level 2 \| Module 2: Division by One Digit<br>Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two-Four Digits by One Digit<br>Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two-Four Digits by Two Digits<br>Unit 9: Measurement, Geometry & Data \| Module 2: Lines & Angles |
| PS.4: | Model with mathematics. | |

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| | | Unit 2: Addition & Subtraction Level 2 \| Module 6: Three-Digit Numbers |
| PS.5: | Use appropriate tools strategically. | |
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| | | Unit 5: Multiplication & Division Level 2 \| Module 6: Division by Two Digits |
| | | Unit 5: Multiplication & Division Level 2 \| Module 7: Mixed Practice |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 6: Mixed Practice with Operations |
| | | Unit 9: Measurement, Geometry & Data \| Module 2: Lines & Angles |
| PS.7: | Look for and make use of structure. | |
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| | | Unit 10: Algebra \| Module 1: Operations & Equations |
| | | Unit 1: Addition & Subtraction Level 1 \| Module 5: Fact Families |
| | | Unit 1: Addition & Subtraction Level 1 \| Module 6: Place Value |
| | | Unit 1: Addition & Subtraction Level 1 \| Module 7: Strategies |
| | | Unit 1: Addition & Subtraction Level 1 \| Module 8: Mixed Addition & Subtraction |
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| | | Unit 2: Addition & Subtraction Level 2 \| Module 1: Counting to 1,000 |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 3: Place Value |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 4: Within 100 |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 5: Strategies |
| | | Unit 2: Addition & Subtraction Level 2 \| Module 6: Three-Digit Numbers |
| | | Unit 4: Multiplication & Division Level 1 \| Module 2: Multiplication |
| | | Unit 4: Multiplication & Division Level 1 \| Module 3: Division |
| | | Unit 4: Multiplication & Division Level 1 \| Module 4: Strategies |
| | | Unit 5: Multiplication & Division Level 2 \| Module 3: Multiplication Using the Algorithm |
| | | Unit 5: Multiplication & Division Level 2 \| Module 4: Division Using the Algorithm |
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| | | Unit 5: Multiplication & Division Level 2 \| Module 5: Multiplication by Two Digits |
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| | | Unit 5: Multiplication & Division Level 2 \| Module 6: Division by Two Digits |

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| | | Unit 5: Multiplication & Division Level 2 \| Module 7: Mixed Practice |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 1: Relationships of Operations |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two–Four Digits by One Digit |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two–Four Digits by Two Digits |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 4: Three–Four Digits by Three Digits |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 5: Four Digits |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 6: Mixed Practice with Operations |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 1: Understanding Fractions |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 2: Application of Concepts |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 1: Addition & Subtraction of Fractions |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 2: Multiplication & Division of Fractions |
| | | Unit 9: Measurement, Geometry & Data \| Module 1: 2-D Shapes |
| | | Unit 9: Measurement, Geometry & Data \| Module 2: Lines & Angles |
| PS.8: | Look for and express regularity in repeated reasoning. | |
| | | Unit 3: Skip Counting \| Module 1: Skip Counting by 2 |
| | | Unit 3: Skip Counting \| Module 2: Skip Counting by 3 |
| | | Unit 3: Skip Counting \| Module 3: Skip Counting by 4 |
| | | Unit 3: Skip Counting \| Module 4: Skip Counting by 5 |
| | | Unit 3: Skip Counting \| Module 5: Skip Counting by 6 |
| | | Unit 3: Skip Counting \| Module 6: Skip Counting by 7 |
| | | Unit 3: Skip Counting \| Module 7: Skip Counting by 8 |
| | | Unit 3: Skip Counting \| Module 8: Skip Counting by 9 |

| | | Unit 5: Multiplication & Division Level 2 | Module 3: Multiplication Using the Algorithm |
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| | | Unit 5: Multiplication & Division Level 2 | Module 4: Division Using the Algorithm |
| | | Unit 5: Multiplication & Division Level 2 | Module 5: Multiplication by Two Digits |
| | | Unit 5: Multiplication & Division Level 2 | Module 6: Division by Two Digits |
| | | Unit 5: Multiplication & Division Level 2 | Module 7: Mixed Practice |
| | | Unit 6: Mixed Operations with Whole Numbers | Module 2: Two−Four Digits by One Digit |
| | | Unit 6: Mixed Operations with Whole Numbers | Module 4: Three−Four Digits by Three Digits |
| | | Unit 6: Mixed Operations with Whole Numbers | Module 5: Four Digits |
| | | Unit 6: Mixed Operations with Whole Numbers | Module 6: Mixed Practice with Operations |
| | | Unit 8: Fractions, Decimals & Percents Level 2 | Module 1: Addition & Subtraction of Fractions |
| | | Unit 8: Fractions, Decimals & Percents Level 2 | Module 2: Multiplication & Division of Fractions |
| | **Grade 4 Mathematics** | |
| | Number Sense – Learning Outcome: Students represent and round multi-digit numbers. Students model, compare, and generate equivalent fractions, mixed numbers, and decimal numbers to the tenths and hundredths. | |
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| | | Unit 2: Addition & Subtraction Level 2 | Module 1: Counting to 1,000 |
| | | Unit 2: Addition & Subtraction Level 2 | Module 3: Place Value |
| | | Unit 5: Multiplication & Division Level 2 | Module 3: Multiplication Using the Algorithm |
| | | Unit 5: Multiplication & Division Level 2 | Module 7: Mixed Practice |
| | | Unit 6: Mixed Operations with Whole Numbers | Module 3: Two−Four Digits by Two Digits |

| | | Unit 6: Mixed Operations with Whole Numbers \| Module 4: Three–Four Digits by Three Digits |
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| | | Unit 6: Mixed Operations with Whole Numbers \| Module 5: Four Digits |
| | | Unit 6: Mixed Operations with Whole Numbers \| Module 6: Mixed Practice with Operations |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 1: Understanding Fractions |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 2: Application of Concepts |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 1: Addition & Subtraction of Fractions |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 7: Application |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 8: Mixed Review |

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| | Computation and Algebraic Thinking – Learning Outcome: Students solve real-world problems using place value strategies and properties of multiplication and division with limitations. Students compose (addition) and decompose (subtraction) non-unit fractions and mixed numbers using models and strategies, applying these concepts to real-world situations. Students investigate the relationship between two given sets of numbers and generate number patterns based upon given rules. | Unit 1: Addition & Subtraction Level 1 \| Module 5: Fact Families<br>Unit 1: Addition & Subtraction Level 1 \| Module 7: Strategies<br>Unit 1: Addition & Subtraction Level 1 \| Module 8: Mixed Addition & Subtraction<br>Unit 2: Addition & Subtraction Level 2 \| Module 2: Within 20<br>Unit 2: Addition & Subtraction Level 2 \| Module 5: Strategies<br>Unit 3: Skip Counting \| Module 1: Skip Counting by 2<br>Unit 3: Skip Counting \| Module 2: Skip Counting by 3<br>Unit 3: Skip Counting \| Module 3: Skip Counting by 4<br>Unit 3: Skip Counting \| Module 4: Skip Counting by 5<br>Unit 3: Skip Counting \| Module 5: Skip Counting by 6<br>Unit 3: Skip Counting \| Module 6: Skip Counting by 7<br>Unit 3: Skip Counting \| Module 7: Skip Counting by 8<br>Unit 3: Skip Counting \| Module 8: Skip Counting by 9<br>Unit 4: Multiplication & Division Level 1 \| Module 1: Skip Counting Review<br>Unit 4: Multiplication & Division Level 1 \| Module 2: Multiplication<br>Unit 4: Multiplication & Division Level 1 \| Module 3: Division<br>Unit 4: Multiplication & Division Level 1 \| Module 4: Strategies<br>Unit 4: Multiplication & Division Level 1 \| Module 5: Multiples & Factors<br>Unit 4: Multiplication & Division Level 1 \| Module 6: Mixed Multiplication & Division<br>Unit 5: Multiplication & Division Level 2 \| Module 1: Multiplication by One Digit<br>Unit 5: Multiplication & Division Level 2 \| Module 2: Division by One Digit<br>Unit 5: Multiplication & Division Level 2 \| Module 3: Multiplication Using the Algorithm<br>Unit 10: Algebra \| Module 1: Operations & Equations |
| | Geometry – Learning Outcome: Students utilize appropriate tools to identify, describe, and draw parallelograms, rhombuses, and trapezoids in addition to classifying two-dimensional shapes. | <br><br><br><br><br>-<br>Unit 9: Measurement, Geometry & Data \| Module 1: 2-D Shapes<br>Unit 9: Measurement, Geometry & Data \| Module 2: Lines & Angles |

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| | Measurement – Learning Outcome: Students solve real-world problems involving distance, intervals of time, volumes, masses of objects, and money by applying computation strategies, precise measurement skills, and relationships between systems of measurement. Students continue to apply the concept of area and perimeter to complex shapes to identify solutions. | |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 7: Application |

<table>
<tr><td colspan="3" align="center">Grade: <b>5</b> - Adopted: <b>2023</b></td></tr>
<tr><td></td><td><b>Mathematics Process Standards</b></td><td><b>Mathematics Process Standards</b></td></tr>
<tr><td>PS.1:</td><td>Make sense of problems and persevere in solving them.</td><td>Unit 4: Multiplication & Division Level 1 \| Module 1: Skip Counting Review<br><br>Unit 4: Multiplication & Division Level 1 \| Module 2: Multiplication<br>Unit 4: Multiplication & Division Level 1 \| Module 3: Division<br>Unit 4: Multiplication & Division Level 1 \| Module 4: Strategies<br>Unit 4: Multiplication & Division Level 1 \| Module 5: Multiples & Factors<br>Unit 4: Multiplication & Division Level 1 \| Module 6: Mixed Multiplication & Division<br>Unit 5: Multiplication & Division Level 2 \| Module 1: Multiplication by One Digit<br><br>Unit 5: Multiplication & Division Level 2 \| Module 2: Division by One Digit<br>Unit 5: Multiplication & Division Level 2 \| Module 3: Multiplication Using the Algorithm<br>Unit 5: Multiplication & Division Level 2 \| Module 4: Division Using the Algorithm<br><br>Unit 5: Multiplication & Division Level 2 \| Module 5: Multiplication by Two Digits<br><br>Unit 5: Multiplication & Division Level 2 \| Module 6: Division by Two Digits</td></tr>
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| | | Unit 10: Algebra \| Module 4: Expressions<br>Unit 10: Algebra \| Module 5: Variables<br>Unit 10: Algebra \| Module 6: Patterns & Structure<br>Unit 10: Algebra \| Module 7: Geometry |
| PS.2: | Reason abstractly and quantitatively. | Unit 4: Multiplication & Division Level 1 \| Module 1: Skip Counting Review<br>Unit 4: Multiplication & Division Level 1 \| Module 5: Multiples & Factors<br>Unit 4: Multiplication & Division Level 1 \| Module 6: Mixed Multiplication & Division<br>Unit 5: Multiplication & Division Level 2 \| Module 2: Division by One Digit<br>Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two–Four Digits by One Digit<br>Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two–Four Digits by Two Digits<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 3: Inequalities<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 6: Mixed Practice<br>Unit 9: Measurement, Geometry & Data \| Module 2: Lines & Angles<br>Unit 9: Measurement, Geometry & Data \| Module 4: Perimeter, Area & Volume<br><br>Unit 10: Algebra \| Module 4: Expressions<br>Unit 10: Algebra \| Module 5: Variables<br>Unit 10: Algebra \| Module 6: Patterns & Structure |
| PS.4: | Model with mathematics. | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 1: Understanding Fractions<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 2: Application of Concepts<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 3: Inequalities<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 4: Mixed Numbers<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 5: Fractions Review |

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| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 6: Decimals<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 7: Percents<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 8: Relationships of Fractions, Decimals & Percents<br>Unit 9: Measurement, Geometry & Data \| Module 4: Perimeter, Area & Volume<br><br>Unit 10: Algebra \| Module 6: Patterns & Structure |
| PS.5: | Use appropriate tools strategically. | Unit 5: Multiplication & Division Level 2 \| Module 6: Division by Two Digits<br>Unit 5: Multiplication & Division Level 2 \| Module 7: Mixed Practice<br>Unit 6: Mixed Operations with Whole Numbers \| Module 6: Mixed Practice with Operations<br>Unit 9: Measurement, Geometry & Data \| Module 2: Lines & Angles<br>Unit 9: Measurement, Geometry & Data \| Module 3: Classification of 2-D Figures |
| PS.7: | Look for and make use of structure. | Unit 4: Multiplication & Division Level 1 \| Module 2: Multiplication<br>Unit 4: Multiplication & Division Level 1 \| Module 3: Division<br>Unit 4: Multiplication & Division Level 1 \| Module 4: Strategies<br>Unit 5: Multiplication & Division Level 2 \| Module 3: Multiplication Using the Algorithm<br>Unit 5: Multiplication & Division Level 2 \| Module 4: Division Using the Algorithm<br><br>Unit 5: Multiplication & Division Level 2 \| Module 5: Multiplication by Two Digits<br><br>Unit 5: Multiplication & Division Level 2 \| Module 6: Division by Two Digits<br>Unit 5: Multiplication & Division Level 2 \| Module 7: Mixed Practice<br>Unit 6: Mixed Operations with Whole Numbers \| Module 1: Relationships of Operations<br>Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two–Four Digits by One Digit |

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| | | Unit 9: Measurement, Geometry & Data \| Module 7: Data Representation<br>Unit 9: Measurement, Geometry & Data \| Module 8: Data Analysis<br>Unit 10: Algebra \| Module 1: Operations & Equations<br>Unit 10: Algebra \| Module 2: Ratios & Proportions<br>Unit 10: Algebra \| Module 4: Expressions<br>Unit 10: Algebra \| Module 5: Variables<br>Unit 10: Algebra \| Module 6: Patterns & Structure<br>Unit 10: Algebra \| Module 7: Geometry |
| PS.8: | Look for and express regularity in repeated reasoning. | Unit 5: Multiplication & Division Level 2 \| Module 3: Multiplication Using the Algorithm<br>Unit 5: Multiplication & Division Level 2 \| Module 4: Division Using the Algorithm<br><br>Unit 5: Multiplication & Division Level 2 \| Module 5: Multiplication by Two Digits<br><br>Unit 5: Multiplication & Division Level 2 \| Module 6: Division by Two Digits<br>Unit 5: Multiplication & Division Level 2 \| Module 7: Mixed Practice<br>Unit 6: Mixed Operations with Whole Numbers \| Module 2: Two–Four Digits by One Digit<br>Unit 6: Mixed Operations with Whole Numbers \| Module 4: Three–Four Digits by Three Digits<br>Unit 6: Mixed Operations with Whole Numbers \| Module 5: Four Digits<br>Unit 6: Mixed Operations with Whole Numbers \| Module 6: Mixed Practice with Operations<br>Unit 7: Fractions, Decimals & Percents Level 1 \| Module 8: Relationships of Fractions, Decimals & Percents<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 1: Addition & Subtraction of Fractions |

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| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 2: Multiplication & Division of Fractions |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 3: Addition & Subtraction of Decimals |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 4: Multiplication & Division of Decimals |
| | | Unit 9: Measurement, Geometry & Data \| Module 6: Units of Measure |
| | **Grade 5 Mathematics** | |
| | Number Sense – Learning Outcome: Students explore place value through representing powers of 10 as exponents, modeling percents as parts of 100, and comparing and ordering fractions, mixed numbers, and decimals to the thousandth. | Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two–Four Digits by Two Digits |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 1: Understanding Fractions |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 2: Application of Concepts |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 3: Inequalities |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 4: Mixed Numbers |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 5: Fractions Review |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 6: Decimals |
| | | Unit 7: Fractions, Decimals & Percents Level 1 \| Module 8: Relationships of Fractions, Decimals & Percents |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 3: Addition & Subtraction of Decimals |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 4: Multiplication & Division of Decimals |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 5: Percents |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 6: Mixed Practice |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 7: Application |
| | | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 8: Mixed Review |

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| | | Unit 9: Measurement, Geometry & Data \| Module 1: 2-D Shapes<br>Unit 10: Algebra \| Module 5: Variables<br>Unit 10: Algebra \| Module 6: Patterns & Structure |
| | Computation and Algebraic Thinking – Learning Outcome: Students apply concepts and strategies of multiplication and division to solve real-world problems. Students add and subtract unlike fractions and use visual fraction models to multiply and divide fractions and whole numbers. Students apply conceptual models and strategies to all operations with decimals to solve real-world problems and represent real-world situations within the first quadrant of the coordinate plane. | Unit 5: Multiplication & Division Level 2 \| Module 2: Division by One Digit<br>Unit 5: Multiplication & Division Level 2 \| Module 4: Division Using the Algorithm<br>Unit 5: Multiplication & Division Level 2 \| Module 5: Multiplication by Two Digits<br>Unit 5: Multiplication & Division Level 2 \| Module 6: Division by Two Digits<br>Unit 5: Multiplication & Division Level 2 \| Module 7: Mixed Practice<br>Unit 6: Mixed Operations with Whole Numbers \| Module 3: Two–Four Digits by Two Digits<br>Unit 6: Mixed Operations with Whole Numbers \| Module 4: Three–Four Digits by Three Digits<br>Unit 6: Mixed Operations with Whole Numbers \| Module 5: Four Digits<br>Unit 6: Mixed Operations with Whole Numbers \| Module 6: Mixed Practice with Operations<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 1: Addition & Subtraction of Fractions<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 2: Multiplication & Division of Fractions<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 3: Addition & Subtraction of Decimals<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 4: Multiplication & Division of Decimals<br>Unit 10: Algebra \| Module 2: Ratios & Proportions<br>Unit 10: Algebra \| Module 4: Expressions<br>Unit 10: Algebra \| Module 7: Geometry |

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| | Measurement – Learning Outcome: Students investigate the volume of rectangular prisms and solve real-world problems through the development and application of area formulas for rectangles, triangles, parallelograms, and trapezoids. Students investigate and convert measurements within the Customary and metric measurement systems. | Unit 8: Fractions, Decimals & Percents Level 2 \| Module 2: Multiplication & Division of Fractions<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 6: Mixed Practice<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 7: Application<br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 8: Mixed Review<br>Unit 9: Measurement, Geometry & Data \| Module 4: Perimeter, Area & Volume<br>Unit 9: Measurement, Geometry & Data \| Module 6: Units of Measure<br><br><br><br>Unit 10: Algebra \| Module 4: Expressions<br>Unit 10: Algebra \| Module 7: Geometry |
| | Data Analysis – Learning Outcome: Students create questions appropriate to the data and answer the questions using multiple representations. | <br><br><br>Unit 8: Fractions, Decimals & Percents Level 2 \| Module 7: Application<br>Unit 9: Measurement, Geometry & Data \| Module 7: Data Representation<br>Unit 9: Measurement, Geometry & Data \| Module 8: Data Analysis |