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| **November** | Grade: 6 | Unit Number: 3 Rational Numbers |
| Unit Overview: * To extend previous knowledge of integers to the system of rational numbers
* To introduce the Cartesian Plane and ordered pairs
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| Essential Question: * How do you use integers and rational numbers to solve real world applications?
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| Academic Vocabulary: Absolute Value, Inequality, Integers, Negative numbers, Ordered pair, Origin, Opposites, Ordering numbers, Positive numbers, Axis, Coordinate plane, Coordinate, Quadrant , x- axis & y-axis |
| Lesson | Standard | Guiding Questions | Additional Resources | Differentiation | I Can… |
| 1Number Line | CC.6.NS.5CC.6.NS.6 | How are positive and negative numbers represented on a number line? | On Core Pg. 37-38 |  |  |
| 2Absolute Value | CC.6.NS.7c & d | How do you find and use absolute value? | On Core Pg. 43 &44Glencoe Pg. 129 & 130 |  |  |
| 3Comparing & Ordering | CC.6.NS.5 | How do you compare and order positive and negative numbers? | On Core Pg. 40 &42Glencoe Pg. 134, 135, 19 |  |  |
| 4Coordinate Plane | CC.6.NS.6 | How do you locate and name points in the coordinate plane (Cartesian Plane) | On Core Pg. 45-48Glencoe Pg. 139, 140, 143(Addison Wesley WS 129) |  |  |
| 5Distance in the Coordinate Plane | CC.6.NS.8 | How do you find the distance between two points in the coordinate plane? | On Core Pg. 49-50 |  |  |
| Assessment: Marking Period Common Assessment |

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| **December to January (End of Semester)** | Grade: 6 | Unit Number: 4-Statistics  |
| Unit Overview: To explore and understand mean, median and mode by applying those skills. To review the vocabulary dealing with measurements of variation such as maximum, minimum, range, and quartiles. To explore the different ways to display data through plots, graphs and charts. |
| Essential Question:What are the ways to organize, measure, and display data? |
| Academic Vocabulary: Box plot, Dot plot (line plot), Histogram, Interquartile range (IQR), Lower quartile, Mean, Mean absolute deviation (MAD), Measure of center, Measure of variability, Median, Statistical question, Statistics, Upper quartile |
| Lesson | Standard | Guiding Questions | Additional Resources | Differentiation | I Can… |
| 1Measures of Central Tendency | 6.SP.3 | How can you use measures of center to describe a data set? | On Core: 179-182Glencoe: 82, 83, 84R Drive: Classwork/Homework3 & 4 |  |  |
| 2Displaying Numerical Data | 6.SP.16.SP.26.SP.46.SP.5 | How can you summarize and display numerical data? | On Core: 175 -178Glencoe: 67, 68, 69, 97, 98, 99,  |  |  |
| 3Measures of Variability | 6.SP.26.SP.36.SP.46.SP.5 | How can you use measures of variability to describe a data set? | On Core: 183 – 186Glencoe: 92, 93, 94,  | Misleading Data Glencoe: 102-104 |  |
| Assessment: |

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| **Late October-Early November** | Grade: 5 | Unit Number: 3 – Geometry Exploration and American Tour |
| Unit Overview:  |
| Essential Question: |
| Academic Vocabulary: expression, numerical expression, powers of 10, exponent, decimal, decimal place |
| Lesson | Standard | Guiding Questions | Differentiation | Resources | I Can… |
| 3.1 | 5.NBT.3b |  |  |  |  |
| 3.2 | 5.OA.25.NBT.2 |  |  | 5.NBT.2 Multiplication Top-It |  |
| 3.3 |  |  |  |  |  |
| 3.4 | 5.G.3 |  |  |  |  |
| 3.5 | 5.NBT.25.NBT.3b |  |  | 5.NBT.3b High Number Toss, decimal version |  |
| 3.6 | 5.NBT.4 |  |  |  |  |
| 3.7 | 5.G.35.G.4 |  |  |  |  |
| 3.8 | 5.NBT.25.NF.5a5.G.35.G.4 |  |  | 5.NF.5a Writing/Reasoning |  |
| 3.9 | 5.NBT.25.NBT.3a |  |  | 5.NBT.2 Mental Math and Reflexes |  |
| 3.10 |  |  |  |  |  |
| Assessment:  |

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| **November** | Grade: 5 | Unit Number: 4 - Division |
| Unit Overview:  |
| Essential Question: |
| Academic Vocabulary: expression, numerical expression, powers of 10, exponent, decimal, rectangular arrays, area model |
| Lesson | Standard | Guiding Questions | Differentiation | Resources | I Can… |
| 4.1 | 5.OA.15.OA.25.NBT.25.NBT.65.NF.5a5.G.35.G.4 |  |  | 5.OA.1 Name That Number |  |
| 4.2 | 5.NBT.6 |  |  |  |  |
| 4.3 | 5.OA.1 |  |  | 5.OA.1 Mental Math and Reflexes |  |
| 4.4 | 5.NBT.6 |  |  |  |  |
| 4.5 | 5.NBT.7 |  |  |  |  |
| 4.6 | 5.OA.25.NBT.65.NBT.7 |  |  |  |  |
| 4.7 | 5.OA.25.NBT.2 |  |  | 5.OA.2 Math Message5.NBT.2 Writing/Reasoning |  |
| 4.8 | 5.NBT.2 |  |  | 5.NBT.2 Math Box 4 |  |
| Assessment: |

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| **December** | Grade: 5 | Unit Number: 5 – Fractions, Decimals, and Percents |
| Unit Overview:  |
| Essential Question: |
| Academic Vocabulary: mixed numbers, equivalent fractions, benchmark fractions, decimal place |
| Lesson | Standard | Guiding Questions | Differentiation | Resources | I Can… |
| 5.1 | 5.NF.3 |  |  |  |  |
| 5.2 |  |  |  |  |  |
| 5.3 | 5.NF.15.NF.2 |  |  |  |  |
| 5.4 |  |  |  |  |  |
| 5.5 | 5.NBT.3a5.NBT.4 |  |  |  |  |
| 5.6 | 5.NBT.3a5.NBT.45.NF.3 |  |  |  |  |
| 5.7 | 5.NBT.3a |  |  |  |  |
| 5.8 | 5.NBT.3a5.NBT.4 |  |  | 5.NBT.4 Mental Math and Reflexes |  |
| 5.9 | 5.NBT.3a |  |  |  |  |
| 5.10 |  |  |  |  |  |
| 5.11 | 5.NBT.7 |  |  | 5.NBT.7 Writing and Reasoning |  |
| 5.12 | 5.OA.1 |  |  | 5.OA.1 Name That Number |  |
| Assessment: |

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| **January** | Grade: 5 | Unit Number: 6 – Using Data; Addition and Subtraction of Fractions |
| Unit Overview:  |
| Essential Question: |
| Academic Vocabulary: scaling, factor, mixed number, benchmark fractions, equivalent fractions, line plot, unit fraction |
| Lesson | Standard | Guiding Questions | Differentiation | Resources | I Can… |
| 6.1 | 5.NBT.45.MD.2 |  |  |  |  |
| 6.2 | 5.NBT.3a5.MD.1 |  |  |  |  |
| 6.3 | 5.NBT.3 |  |  | 5.NBT.3 Mental Math and Reflexes |  |
| 6.4 | 5.NBT.4 |  |  | 5.NBT.4 Mental Math and Reflexes |  |
| 6.5 | 5.NBT.7 |  |  | 5.NBT.7 Math Box 2 and Writing/Reasoning |  |
| 6.6 |  |  |  |  |  |
| 6.7 | 5.NBT.7 |  |  | 5.NBT.7 Math Box 2 and Writing/Reasoning |  |
| 6.8 | 5.NF.15.NF.25.NF.3 |  |  |  |  |
| 6.9 | 5.NF.15.NF.25.NF.5b |  |  |  |  |
| 6.10 | 5.NF.15.NF.2 |  |  |  |  |
| Assessment: |

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| **Late January/Early February** | Grade: 5 | Unit Number: 7 – Exponents and Negative Numbers |
| Unit Overview:  |
| Essential Question: |
| Academic Vocabulary: numerical expression, line plot, powers of 10, decimal, standard algorithm, evaluate, unit fraction, exponent, decimal, rectangular array, area model |
| Lesson | Standard | Guiding Questions | Differentiation | Resources | I Can… |
| 7.1 | 5.NBT.2 |  |  |  |  |
| 7.2 | 5.NBT.15.NBT.2 |  |  |  |  |
| 7.3 | 5.NBT.2 |  |  | 5.NBT.2 Mental Math and Reflexes and Scientific Notation Number Toss |  |
| 7.4 | 5.OA.15.OA.25.NBT.2 |  |  | 5.NBT.2 Name That Number and Mental Math and Reflexes |  |
| 7.5 | 5.OA.15.OA.2 |  |  |  |  |
| 7.6 | 5.NF.1 |  |  |  |  |
| 7.7 | 5.OA.15.NBT.2 |  |  | 5.OA.1 Name That Number and Math Box 2 |  |
| 7.8 |  |  |  |  |  |
| 7.9 | 5.NBT.3b |  |  |  |  |
| 7.10 | 5.NBT.55.NBT.65.NBT.75.NF.15.NF.25.MD.2 |  |  |  |  |
| Assessment:  |

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| **February/Early March** | Grade: 5 | Unit Number: 8 – Fractions and Ratios |
| Unit Overview:  |
| Essential Question: |
| Academic Vocabulary: mixed numbers, equivalent fractions, benchmark fractions, scaling, factor, unit fraction |
| Lesson | Standard | Guiding Questions | Differentiation | Resources | I Can… |
| 8.1 | 5.NF.15.NF.25.NF.5b |  |  |  |  |
| 8.2 | 5.NF.15.NF.2 |  |  |  |  |
| 8.3 | 5.NF.15.NF.25.G.35.G.4 |  |  | 5.G.3 and 5.G.4 Writing/Reasoning |  |
| 8.4 | 5.NF.15.NF.2 |  |  |  |  |
| 8.5 | 5.NF.4a5.NF.5a5.NF.6 |  |  |  |  |
| 8.6 | 5.NF.4a5.NF.55.NF.6 |  |  |  |  |
| 8.7 | 5.NF.4a5.NF.5b5.NF.65.OA.1 |  |  | 5.OA.1 Name That Number and Math Box 2 |  |
| 8.8 | 5.NF.45.NF.55.NF.6 |  |  |  |  |
| 8.9 |  |  |  |  |  |
| 8.10 |  |  |  |  |  |
| 8.11 | 5.NF.2 |  |  | 5.NF.2 SL 8.11 |  |
| 8.12 | 5.NF.7 |  |  |  |  |
| Assessment: |

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| **March/Early April** | Grade: 5 | Unit Number: 9 – Coordinates, Area, Volume, and Capacity |
| Unit Overview:  |
| Essential Question: |
| Academic Vocabulary: mixed numbers, scaling, factor, unit fraction, powers of 10, volume, perpendicular, coordinate systems, y-axis, ordered pair, exponent, scaling, convert, unit cube, right rectangular prism, axis/axes, origin coordinates, x-coordinate, quadrant, decimal, conversion, cubic unit, additive, intersect, x-axis, y-coordinate, coordinate plane |
| Lesson | Standard | Guiding Questions | Differentiation | Resources | I Can… |
| 9.1 | 5.NBT.25.NF.4a5.G.15.G.2 |  |  | 5.NF.4a Writing/Reasoning and Math Box 2 |  |
| 9.2 | 5.NBT.55.G.15.G.2 |  |  | 5.NBT.5 Writing/Reason and Math Box 4 |  |
| 9.3 | 5.MD.3a5.MD.45.MD.5b5.G.15.G.2 |  |  | 5.MD.3a Writing/Reasoning5.MD.4 Writing/Reasoning and Math Box 35.MD.5b Writing/Reasoning |  |
| 9.4 | 5.NF.4b5.NF.75.MD.3a5.MD.45.MD.5a |  |  | 5.MD.3a Writing/Reasoning 5.MD.4 Writing/Reasoning and Math Box 2 |  |
| 9.5 | 5.NBT.2 |  |  |  |  |
| 9.6 | 5.NF.2 |  |  |  |  |
| 9.7 | 5.NF.6 |  |  | 5.NF.6 Writing/Reasoning |  |
| 9.8 | 5.NBT.45.NBT.75.MD.35.MD.45.MD.5a5.MD.5b |  |  | 5.NBT.4 Mental Math and Reflexes5.NBT.7 Writing/Reasoning and Math Box 1 |  |
| 9.9 | 5.MD.3a5.MD.5b5.MD.5c |  |  |  |  |
| 9.10 | 5.NBT.75.NF.4b5.MD.15.MD.35.MD.45.MD.5a5.MD.5b |  |  | 5.NBT.7 Writing/Reasoning and Math Box 1 |  |
| Assessment:  |

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| **April/Early May** | Grade: 5 | Unit Number: 10 – Using Data; Algebra Concepts and Skills |
| Unit Overview:  |
| Essential Question: |
| Academic Vocabulary: powers of 10, volume, perpendicular, coordinate systems, y-axis, ordered pair, exponent, convert, unit cube, axis/axes, origin, x-coordinate, quadrant, decimal, conversion, cubic unit, intersect, x-axis, y-coordinate, coordinate plane, coordinates, decimal place, expression, numerical expression, numerical pattern, corresponding terms |
| Lesson | Standard | Guiding Questions | Differentiation | Resources | I Can… |
| 10.1 | 5.NBT.25.NBT.55.MD.3a5.MD.3b5.MD.45.MD.5b |  |  | 5.NBT.5 Writing/Reasoning |  |
| 10.2 | 5.NF.5a5.MD.2 |  |  | 5.NF.5a Mental Math and Reflexes |  |
| 10.3 | 5.OA.15.OA.25.OA.35.NBT.25.NBT.55.MD.5a5.MD.5b |  |  | 5.NBT.2 Name That Number and Mental Math and Reflexes5.NBT.5 Math Box 35.OA.1 Name That Number |  |
| 10.4 | 5.OA.35.G.15.G.2 |  |  |  |  |
| 10.5 | 5.MD.1 |  |  |  |  |
| 10.6 | 5.OA.35.NBT.75.NF.25.G.15.G.2 |  |  | 5.NBT.7 Writing/Reasoning and Math Box 25.NF.2 Mixed Number Spin |  |
| 10.7 | 5.NBT.45.G.1 |  |  | 5.NBT.4 Mental Math and Reflexes |  |
| 10.8 | 5.NBT.4 |  |  |  |  |
| 10.9 | 5.MD.1 |  |  |  |  |
| Assessment: |

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| **May** | Grade: 5 | Unit Number: 11 - Volume |
| Unit Overview:  |
| Essential Question: |
| Academic Vocabulary: powers of 10, exponent, decimal, decimal place, line plot, unit fraction, volume, unit cube, right rectangular prism |
| Lesson | Standard | Guiding Questions | Differentiation | Resources | I Can… |
| 11.1 | 5.MD.35.MD.45.MD.5a5.MD.5b |  |  |  |  |
| 11.2 |  |  |  |  |  |
| 11.3 | 5.NBT.45.MD.15.MD.35.MD.45.MD.5a5.MD.5b |  |  |  |  |
| 11.4 | 5.NF.7a5.NF.7b |  |  | 5.NF.7a Mental Math and Reflexes |  |
| 11.5 | 5.MD.15.MD.5c |  |  |  |  |
| 11.6 | 5.OA.15.NBT.25.MD.1 |  |  | 5.OA.1 Name That Number5.MD.1 Math Box 4 |  |
| 11.7 | 5.NF.15.NF.25.NF.4b5.NF.7c5.MD.25.MD.5a5.MD.5b |  |  | 5.MD.5a and 5b Extra Practice Part 3 and SL 11.7 |  |
| Assessment:  |