

MATH PACING GUIDE

Dates	SOLs	Essential Knowledge
<i>Week of August 15</i>	3.1a 3.1c	Place Value: The student will read and write six-digit numerals and identify the place value and value of each digit and compare two whole numbers between 0 and 9,999, using symbols ($>$, $<$, or $=$) and words (greater than, less than, or equal to).
<i>Week of August 22</i>	3.1b	Rounding: The student will round whole numbers,9,999 or less,to the nearest ten,hundred, and thousand.
<i>Week of August 29</i>	3.2 3.4	Inverse Relationships and Addition: The student will recognize and use the inverse relationships between addition/ subtraction and solve single-step and multistep problems involving the sum of two whole numbers, each 9,999 or less.
<i>Week of September 6</i>	3.4	Estimating and Subtracting: The student will estimate solutions to and solve single-step and multistep problems involving the sum or difference of two whole numbers, each 9,999 or less, with or without regrouping
<i>Week of September 12</i>	3.4 3.20	Properties of Addition: The student will investigate the identity and the commutative properties for addition and identify examples.
<i>Week of September 19</i>	3.17	Data, Pictographs & Bar Graphs: The student will collect and organize data, using observations, measurements, surveys, or experiments, construct a picture graph and bar graph, and read and interpret the data.
<i>Week of September 26</i>	3.17	Line Plots: The student will construct a line plot and read and interpret line plots.
<i>Week of October 3</i>		Review—Assessment
<i>Week of October 10</i>	3.5 3.6	Multiplication/Models: The student will recall multiplication facts through the twelves table and model multiplication, using area, set, and number line models.
<i>Week of October 17</i>	3.5, 3.20, 3.2	Multiplication Properties and Relationships: The student will recall multiplication facts through the twelves table, and the corresponding division facts, identify the identity and combinative properties and examples, and recognize and use the inverse relationships between multiplication/division to complete basic fact sentences
<i>Week of October 24</i>	3.5, 3.6	2 Digit Multiplication: The student will solve problems that involve multiplication of two whole numbers, one factor 99 or less and the second factor 5 or less.
<i>Week of October 31</i>	3.5, 3.6	Multiplication Word Problems: The student will create and solve word problems involving multiplication, where one factor is 99 or less and the second factor is 5 or less.

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<i>Week of November 7</i>	3.8	Count and Compare Money: The student will determine, by counting, the value of a collection of bills and coins whose total value is \$5.00 or less, compare the value of the bills and coins.
<i>Week of November 14</i>	3.8	Making Change: The student will determine, by counting, the value of a collection of bills and coins whose total value is \$5.00 or less, and make change.
<i>Week of November 21</i>		Review
<i>Week of November 28</i>	3.11a 3.12	Telling Time/Equivalent Periods of Time: The student will tell time to the nearest minute, using analog and digital clock and identify equivalent periods of time, including relationships among days, months, and years, as well as minutes and hours.
<i>Week of December 5</i>	3.11b	Elapsed Time: The student will determine elapsed time in one-hour increments over a 12-hour period.
<i>Week of December 12</i>		Review
<i>Week of January 2</i>	3.15	Geometry: The student will identify and draw representations of points, line segments, rays, angles, and lines
<i>Week of January 9</i>	3.14, 3.16	Congruency and Geometric Figures: The student will identify, describe, compare, and contrast characteristics of plane and solid geometric figures (circle, square, rectangle, triangle, cube, rectangular prism, square pyramid, sphere, cone, and cylinder) by identifying relevant characteristics, including the number of angles, vertices, and edges, and the number and shape of faces, using concrete models. The student will identify and describe congruent and noncongruent plane figures.
<i>Week of January 16</i>	3.19	Patterns: The student will recognize and extend repeating and growing numeric and geometric patterns (e.g., skip counting, addition tables, and multiplication tables).
<i>Week of January 23</i>	3.19	Pattern Tables: The student will recognize and describe a variety of patterns formed using numbers, tables, and pictures, and extend the patterns, using the same or different forms.
<i>Week of January 30</i>	3.3 ab	Identifying Fractions: The student will name, write and model fractions.
<i>Week of February 6</i>	3.3c	Comparing Fractions: The student will compare fractions having like and unlike denominators, using words and symbols and identify equivalent fractions.
<i>Week of February 13</i>	3.7	Adding and Subtraction Fractions: The student will add and subtract proper fractions having like denominators of 12 or less.
<i>Week of February 20</i>	3.7	Converting Mixed Numbers and Improper Fractions: The student will understand different ways to model various fractions.

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<i>Week of February 27</i>	3.9a	Linear Measurement: The student will estimate and measure length to the nearest 12 inch, inch, foot, yard, centimeter, and meter
<i>Week of March 6</i>	3.9d, 3.10	Area and Perimeter: The student will estimate and measure area and perimeter. The student will measure the distance around a polygon in order to determine perimeter; and count the number of square units needed to cover a given surface in order to determine area.
<i>Week of March 13</i>	3.9b	Liquid Measurement: The student will estimate and measure liquid volume in cups, pints, quarts, gallons, and liters.
<i>Week of March 20</i>	3.9c 3.13	Mass and Temperature: The student will estimate and measure weight/mass in ounces, pounds, grams, and kilograms. The student will read temperature to the nearest degree from a Celsius thermometer and a Fahrenheit thermometer. Real thermometers and physical models of thermometers will be used.
<i>Week of March 27</i>	3.18	Probability: The student will investigate and describe the concept of probability as chance.
<i>Week of April 3</i>	3.18	Permutations: The student will list possible results of a given situation.