

Third Grade Units of Study: MATH

Completed

- **3.1a** Read, write and identify the place and value of each digit in a six-digit whole number, with and without models.
- **3.1b** Round whole numbers, 9,999 or less, to the nearest ten, hundred, and thousand.
- **3.1c** Compare and order up to three whole numbers, each 9,999 or less.
- **3.2a** Name and write fractions and mixed numbers represented by a model.
- **3.2b** Represent fractions and mixed numbers with models and symbols.
- **3.2c** Compare fractions having like and unlike denominators, using words and symbols ($>$, $<$, $=$ or \neq), with models.
- **3.3a** Estimate and determine the sum or difference of two whole numbers.
- **3.3b** Create and solve single-step and multistep practical problems involving sums or differences of two whole numbers, each 9,999 or less.
- **3.4a** Represent multiplication and division through 10×10 , using a variety of approaches and models.
- **3.4b** Create and solve single-step practical problems that involve multiplication and division through 10×10 .
- **3.4c** Demonstrate fluency with multiplication facts of 0, 1, 2, 5, and 10.
- **3.4d** Solve single-step practical problems involving multiplication of whole numbers, where one factor is 99 or less and the second factor is 5 or less
- **3.5** Solve practical problems that involve addition and subtraction with proper fractions having like denominators of 12 or less.
- **3.6a** Determine the value of a collection of bills and coins whose total value is \$5.00 or less.
- **3.6b** Compare the value of two sets of coins or two sets of coins and bills.
- **3.6c** Make change from \$5.00 or less.
- **3.7a** Estimate and use U.S. Customary and metric units to measure length to the nearest 12 inch, foot, yard, centimeter, and meter.
- **3.7b** Estimate and use U.S. Customary and metric units to measure liquid volume in cups, pints, quarts, gallons, and liters.
- **3.8a** estimate and measure the distance around a polygon in order to determine its perimeter using U.S. Customary and metric units.
- **3.8b** Estimate and count the number of square units needed to cover a given surface in order to determine its area.
- **3.9a** Tell time to the nearest minute, using analog and digital clocks.

	<ul style="list-style-type: none"> • 3.9b Solve practical problems related to elapsed time in one-hour increments within a 12-hour period. • 3.9c Identify equivalent periods of time and solve practical problems related to equivalent periods of time. • 3.10 Read temperature to the nearest degree. • 3.14 Investigate and describe the concept of probability as a measurement of chance and list possible outcomes for a single event. • 3.15a Collect, organize, and represent data in pictographs or bar graphs. • 3.15b Read and interpret data represented in pictographs and bar graphs. • 3.16 Identify, describe, create, and extend patterns found in objects, pictures, numbers, and tables. • 3.17 Create equations to represent equivalent mathematical relationships
Ongoing/In progress	<ul style="list-style-type: none"> • 3.11 Identify and draw representations of points, lines, line segments, rays, and angles. • 3.12a Define polygon. • 3.12b Identify and name polygons with 10 or fewer sides. • 3.12c Combine and subdivide polygons with three or four sides and name the resulting polygon(s). • 3.13 Identify and describe congruent and noncongruent figures.
Not yet taught	<p>The following standards have been taught once already, but the pacing guide revisits these topics again.</p> <ul style="list-style-type: none"> • 3.1b Round whole numbers, 9,999 or less, to the nearest ten, hundred, and thousand. • 3.3a Estimate and determine the sum or difference of two whole numbers. • 3.3b Create and solve single-step and multistep practical problems involving sums or differences of two whole numbers, each 9,999 or less. • 3.4b Create and solve single-step practical problems that involve multiplication and division through 10×10. 3.4C Demonstrate fluency with multiplication facts of 0, 1, 2, 5, and 10. • 3.4d Solve single-step practical problems involving multiplication of whole numbers, where one factor is 99 or less and the second factor is 5 or less. • 3.6a Determine the value of a collection of bills and coins whose total value is \$5.00 or less. • 3.6b Compare the value of two sets of coins or two sets of coins and bills. • 3.6c Make change from \$5.00 or less. • 3.16 Identify, describe, create, and extend patterns found in objects, pictures, numbers, and tables.