

2022-2023 3rd Grade CIP & BIM Alignment and Pacing Document

** means there are things to consider when aligning the BIM math lesson to the SOL

Pacing	SOL(s)	BIM Lesson(s)	Vertical Alignment
Q1 Weeks 1-3	3.1a TSW read, write, and identify the place and value of each digit in a six-digit whole number, with and without models.	n/a	*2nd grade worked with numbers up to 3-digits.
Q1 Week 4	3.1c TSW compare and order whole numbers, each 9,999 or less.	n/a	*2nd grade worked with numbers up to 3-digits.
Q1 Weeks 5-6	3.1b TSW round whole numbers, 9,999 or less, to the nearest ten, hundred, and thousand.	*Lesson 7.2: Round Numbers Using a Number Line *Lesson 7.3: Round Numbers Using Place Value **The text only rounds numbers up to 1,000.	*2nd grade rounded 2-digit numbers to the nearest 10.
Q1 Weeks 7-8	3.3a TSW estimate and determine sums and differences of two whole numbers. 3.3b TSW create and solve single-step and multistep practical problems involving sums and differences of two whole numbers, each 9,999 or less.	*Lesson 7.4: Estimate Sums *Lesson 7.5: Estimate Differences *Lesson 8.5: Add 3-Digit Numbers *Lesson 8.9: Subtract 3-Digit Numbers *Lesson 8.10: Relate Addition and Subtraction *Lesson 8.11: Problem Solving: Addition and Subtraction **The text only requires students to add or subtract with numbers up to 3-digits each. Students are required to go up to 9,999 with numbers in addition and subtraction problems.	*2nd grade added, subtracted, and estimated with numbers 99 or less.
Week 9	Q1 Benchmark (Math Quarterly Assessment)		
Q2 Weeks 10-14	3.4a TSW represent multiplication and division through 10×10 , using a variety of approaches. 3.4b TSW create and solve single-step practical problems that involve multiplication and division through 10×10 . 3.4c TSW demonstrate fluency with multiplication facts 0, 1, 2, 5, and 10. 3.4d TSW 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.	*Lesson 1.1: Use Equal Groups to Multiply *Lesson 1.2: Use Number Lines to Multiply *Lesson 1.3: Use Arrays to Multiply *Lesson 1.4: Multiply in Any Order *Lesson 1.5: Divide: Size of Equal Groups *Lesson 1.6: Divide: Number of Equal Groups *Lesson 1.7: Use Number Lines to Divide *Lesson 2.1: Multiply by 2 *Lesson 2.2: Multiply by 5 *Lesson 2.3: Multiply by 10 *Lesson 2.4: Multiply by 0 or 1 *Lesson 2.5: Problem Solving: Multiplication	*All new content for 3rd grade.

		<ul style="list-style-type: none"> *Lesson 3.9: More Problem Solving: Multiplication *Lesson 4.1: Use Arrays to Divide *Lesson 4.2: Relate Multiplication and Division *Lesson 4.3: Divide by 2, 5, or 10 *Lesson 4.8: Practice Division Strategies *Lesson 4.9: Problem Solving: Division *Lesson 5.1: Identify Patterns in the Multiplication Table *Lesson 5.2: Use the Multiplication Table *Lesson 5.3: Complete Multiplication Tables *Lesson 5.4: More Problem Solving 	
Q2 Weeks 15-16	3.17 TSW create equations to represent equivalent mathematical relationships.	n/a	*2nd grade used “equal” and “not equal” symbols for addition and subtraction.
Q2 Week 17	3.16 TSW identify, describe, create, and extend patterns found in objects, pictures, numbers, and tables.	n/a	*2nd grade did not work with patterns found in tables.
Q2 Week 18	3.15a TSW collect, organize, and represent data in pictographs or bar graphs. 3.15b TSW read and interpret data represented in pictographs and bar graphs.	<ul style="list-style-type: none"> *Lesson 14.1: Read and Interpret Picture Graphs *Lesson 14.2: Make Picture Graphs *Lesson 14.3: Read and Interpret Bar Graphs *Lesson 14.4: Make Bar Graphs 	*2nd grade pictographs used whole symbols.
Week 19	Q2 Benchmark (Math Quarterly Assessment)		
Q3 Weeks 20-21	3.6a TSW determine the value of a collection of bills and coins whose total value is \$5.00 or less. 3.6b TSW compare the value of two sets of coins or two sets of coins and bills. 3.6c TSW make change from \$5.00 or less.	n/a	<ul style="list-style-type: none"> *2nd grade counted and compared values up to \$2.00. *Making change is new content for 3rd grade.
Q3 Weeks 22-26	3.2a TSW name and write fractions and mixed numbers represented by a model. 3.2b TSW represent fractions and mixed numbers with models and symbols. 3.2c TSW compare fractions having like and unlike denominators, using words and symbols, with models.	<ul style="list-style-type: none"> *Lesson 10.1: Equal Parts of a Whole *Lesson 10.2: Understand a Unit Fraction *Lesson 10.3: Write Fractions of a Whole *Lesson 10.4: Fractions on a Number Line: Less Than 1 *Lesson 10.5: Fractions on a Number Line: Greater Than 1 *Lesson 11.1: Equivalent Fractions *Lesson 11.2: Equivalent Fractions on a Number Line 	*2nd grade only compared unit fractions, and always used models.

	3.5 TSW solve practical problems that involve addition and subtraction with proper fractions having like denominators of 12 or less.	*Lesson 11.3: Relate Fractions and Whole Numbers *Lesson 11.4: Compare Fractions with the Same Denominator *Lesson 11.5: Compare Fractions with the Same Numerator *Lesson 11.6: Compare Fractions on a Number Line *Lesson 11.7: Compare Fractions	
Q3 Week 27	3.14 TSW investigate and describe the concept of probability as a measurement of chance and list possible outcomes for a single event.	n/a	*2nd grade predicted outcomes when an experiment was repeated.
Q3 Weeks 28-30	3.11 TSW identify and draw representations of points, lines, line segments, rays, and angles. 3.12a TSW define polygon. 3.12b TSW identify and name polygons with 10 or fewer sides. 3.12c TSW combine and subdivide polygons with three or four sides and name the resulting polygons. 3.13 TSW identify and describe congruent and noncongruent figures.	n/a	*2nd grade related squares, rectangles, and circles to solid figures. *2nd grade worked with lines of symmetry.
Week 31	Q3 Benchmark (Math Quarterly Assessment)		
Q4 Weeks 32-33	3.9a TSW tell time to the nearest minute, using analog and digital clocks. 3.9b TSW solve practical problems related to elapsed time in one-hour increments within a 12-hour period. 3.9c TSW identify equivalent periods of time and solve practical problems related to equivalent periods of time.	*Lesson 12:1: Time to the Nearest Minute	*2nd grade only tells time to the nearest five minutes.
Q4 Week 34	3.7a TSW estimate and use U.S. Customary and metric units to measure length to the nearest $\frac{1}{2}$ inch, inch, foot, yard, centimeter, and meter.	*Lesson 12.5: Understand and Estimate Liquid Volume *Lesson 12.6: Measure Liquid Volume **The text only teaches metric units of measurement for liquid volume.	*2nd grade measured length to the nearest inch.

	3.7b TSW estimate and use U.S. Customary and metric units to measure liquid volume in cups, pints, quarts, gallons, and liters.		
Q4 Week 35	3.8a TSW estimate and measure the distance around a polygon in order to determine its perimeter using U.S. Customary and metric units. 3.8b TSW estimate and count the number of square units needed to cover a given surface in order to determine its area.	*Lesson 15.1: Understand Perimeter *Lesson 15.2: Find Perimeters of Polygons *Lesson 6.1: Understand Area *Lesson 6.2: Measure Area Using Standard Units	*All new content for 3rd grade.
Q4 Week 36	3.10 TSW read temperature to the nearest degree.	n/a	*All new content for 3rd grade.
Week 37			
Week 38			
Week 39			
Week 40			