Houghton Mifflin Harcourt
***Florida's B.E.S.T. Go Math!, Grade 5* ©2023**

correlated to the

Access Points to Florida's B.E.S.T. Standards: Mathematics (2021)
Grade 5

Standard	Descriptor	Citations
Strand: NUMBER SENSE AND OPERATIONS		
Standard 1: Understand the place value of multi-digit numbers with decimals to the thousandths place.		
MA.5.NSO.1.AP.1	Explore how the value of a digit in a multi-digit number with decimals to the hundredths changes if the digit moves one place to the left. Multi-digit numbers not to exceed 9.99.	SE/TE: 83–87, 89, 90, 219, 221, 222 TE Only: 81C, 83B
MA.5.NSO.1.AP.2	Read and generate multi-digit numbers with decimals to the hundredths using standard form and expanded form. Multi-digit numbers not to exceed 9.99.	SE/TE: 84, 85, 87–94, 114–118, 156, 198, 568 TE Only: 193B, 199B
MA.5.NSO.1.AP.3	Compose and decompose multi-digit numbers with decimals to the hundredths. Demonstrate each composition or decomposition with objects, drawings, expressions or equations. Multi-digit numbers not to exceed 9.99.	SE/TE: 89-100, 113, 115, 233 TE Only: 237B
MA.5.NSO.1.AP.4	Plot, order and compare multi-digit numbers with decimals up to the hundredths. Multidigit numbers not to exceed 9.99.	SE/TE: 101–107, 110, 113, 116–118, 156, 188, 198, 201, 230 TE Only: 101B, 107B
MA.5.NSO.1.AP.5	Round multi-digit numbers with decimals to the tenths to the nearest whole number (e.g., 1.7 rounds to 2); and numbers with decimals to the hundredths to the nearest tenth (e.g., 2.36 rounds to 2.4). Multi-digit numbers not to exceed 9.99.	SE/TE: 107–118, 154, 196 TE Only: 585B
Standard 2: Add, subtract, multiply and divide multi-digit numbers.		
MA.5.NSO.2.AP.1	Explore multiplication of two whole numbers, up to two digits by two digits.	SE/TE: 7, 8, 9, 11, 12, 22, 26, 31, 35, 39, 40, 59, 62, 64, 67–71, 73 TE Only: 5F, 19B, 39B, 57B, 63B, 69B

Standard	Descriptor	Citations
MA.5.NSO.2.AP.2	Apply a strategy to divide two whole numbers up to two digits by one digit, including the possibility of whole number remainders.	SE/TE: 24, 25, 50, 62–64, 67, 68, 71 TE Only: 25B, 45A, 45B, 51B, 63B
MA.5.NSO.2.AP.3	Apply a strategy to add and subtract multi-digit numbers with decimals to the tenths (e.g., 3.3 + 0.5) and hundredths (e.g., 1.25 − 0.12). Multi-digit numbers not to exceed 9.99.	SE/TE: 120, 123–128, 130–134, 136–146, 187, 189, 447, 448, 450–452 TE Only: 121C, 121F, 123B, 135B, 187B, 193B, 453B
MA.5.NSO.2.AP.4	Explore the estimation of products and quotients of two multi-digit numbers with decimals to the tenths (e.g., 8.9 × 2.3 becomes 9 × 2 by rounding both factors to the nearest whole number). Multi-digit numbers not to exceed 9.9.	SE/TE: 194, 215, 232–236, 239, 241, 256 TE Only: 173B, 185C, 193B
MA.5.NSO.2.AP.5	Explore multiplying and dividing single-digit whole numbers by one-tenth and one-hundredth.	SE/TE: 147, 149–155, 162, 179, 197, 200, 217, 219–223, 255, 259, 306, 549, 557–562, 564, 568, 570–572, 574, 596 TE Only: 161B, 199B, 219A, 219B
Strand: ALGEBRAIC REASONING		
Standard 1: Solve problems involving the four operations with whole numbers and fractions.		
MA.5.AR.1.AP.1	Solve one- and two-step real-world problems involving any combination of the four operations with whole numbers. Explore problems in which remainders must be interpreted within the context.	SE/TE: 4, 7–12, 16–18, 21–30, 32, 36, 37, 42–44, 46, 47, 49, 50, 53, 55, 56, 58, 60, 62, 65, 67, 71–74, 76, 78-80
MA.5.AR.1.AP.2a	Solve one-step real-world problems involving addition and subtraction of mixed numbers and fractions greater than one with like denominators.	SE/TE: 313–315, 344, 347, 454 TE Only: 299F, 401B, 609B
MA.5.AR.1.AP.2b	Solve one-step real-world problems involving multiplication of unit fractions.	SE/TE: 339, 343, 345, 351, 354–356, 361, 362–363, 365–367, 371, 375, 381, 382, 388, 389, 394, 401, 405, 432, 453–455, 459 460, 462, 463, 556 TE Only: 351A

Standard	Descriptor	Citations
MA.5.AR.1.AP.3	Solve one-step real-world problems involving division of a whole number by a unit fraction.	SE/TE: 378, 381, 383–388, 401–406, 542, 568, 638, 642 TE Only: 375C, 375F, 377A, 637B
Standard 2: Demonstrate an understanding of equality, the order of operations and equivalent numerical expressions.		
MA.5.AR.2.AP.1	Translate mathematical descriptions (e.g., five plus two; the product of three and four) into numerical expressions with two terms.	SE/TE: 322, 325–329, 334, 336, 421–438, 444 TE Only: 421B, 427B, 433B
MA.5.AR.2.AP.2	Evaluate an expression containing three terms and one set of parentheses.	SE/TE: 319–323, 415–444, 448, 449, 464, 556 TE Only: 415A, 433B
MA.5.AR.2.AP.3	Determine whether an equation (with no more than four terms and up to one set of parentheses) involving any of the four operations with whole numbers is true or false. Limit addition and subtraction to within 100 and limit multiplication and division to the products of two single-digit whole numbers and their related division facts.	SE/TE: 330
MA.5.AR.2.AP.4	Given a mathematical or real-world context, generate an equation involving any of the four operations to determine the unknown sum, difference, product or quotient. Sums may not exceed 100 and their related subtraction facts. Multiplication and division may not exceed two digit by one digit.	SE/TE: 62, 67, 71, 72, 161
Standard 3: Analyze patterns and relationships between inputs and outputs.		
MA.5.AR.3.AP.1	Given a numerical pattern, identify a one-step rule that can describe the pattern.	SE/TE: 83–90, 96, 121, 123–127, 143, 144, 146, 149–154, 160, 172, 222, 313–318, 333–335, 577, 579, 585–590–596, 599, 601, 615–619, 621, 622, 624, 626 TE Only: 83B, 121F, 123B, 313B, 591B, 615A
MA.5.AR.3.AP.2	Given the inputs and a one-step addition or subtraction rule for a numerical pattern, use a two-column table to record the outputs.	SE/TE: 577, 579–584, 599, 600, 602, 611, 615–619, 621, 622 TE Only: 577H

Standard	Descriptor	Citations
Strand: MEASUREMENT		
Standard 1: Convert measurement units to solve multi-step problems.		
MA.5.M.1.AP.1a	Using a conversion sheet, convert within a single system of measurement using the units: miles, yards, feet, inches; pounds, ounces; gallons, quarts, pints, cups; and hours, minutes. Only whole number measurements may be used.	SE/TE: 551–556, 563–570, 574 TE Only: 549F, 563B
MA.5.M.1.AP.1b	Using a conversion sheet, solve one-and two-step real-world problems that involve converting measurement units (i.e., miles, yards, feet, inches; pounds, ounces; gallons, quarts, pints, cups; and hours, minutes) to equivalent measurements within a single system of measurement. Only whole number measurements may be used.	SE/TE: 551–556, 563–570, 574 TE Only: 549F, 563B
Standard 2: Solve problems involving money.		
MA.5.M.2.AP.1	Solve one- and two-step addition and subtraction real-world problems involving money using decimal notation with all terms less than $20.00 (e.g., $11.74 + $5.31, $10.99 − $3.26).	SE/TE: 125, 127, 128, 132, 136–146, 165, 173, 183, 192, 248–251, 253, 254, 257, 258, 330 TE Only: 135B, 187B
Strand: FRACTIONS		
Standard 1: Interpret a fraction as an answer to a division problem.		
MA.5.FR.1.AP.1	Explore the connection between fractions and division in a real-world problem.	SE/TE: 38, 42, 45, 47, 48–51, 83, 389–393 TE Only: 389B
Standard 2: Perform operations with fractions.		
MA.5.FR.2.AP.1a	Explore adding and subtracting mixed numbers and fractions greater than 1 with like denominators.	SE/TE: 301–305, 307–313, 319–335, 350, 354 TE Only: 269B, 299F, 307B, 313B
MA.5.FR.2.AP.1b	Explore adding and subtracting fractions less than one with unlike denominators where one denominator is a multiple of the other (e.g., ½ + ¾, ? − ?).	SE/TE: 261, 263–273, 287–290, 293–297, 299, 314–136, 317–320, 325, 336, 344 TE Only: 269B, 281B, 318A, 319B, 339B, 401B, 591B

Standard	Descriptor	Citations
MA.5.FR.2.AP.2	Explore multiplying a unit fraction by a unit fraction.	SE/TE: 339, 351, 362, 375, 395, 398, 400, 401, 405, 409, 411, 460, 466 TE Only: 395A, 395B
MA.5.FR.2.AP.3	Explore the impact on the size of the product when multiplying a given number by a fraction less than 1 or by a whole number.	SE/TE: 344–347, 349, 351–353, 355–359, 361–363, 365–369, 371, 386, 387, 389 TE Only: 337C, 339B, 345B
MA.5.FR.2.AP.4	Explore the division of a one-digit whole number by a unit fraction. Denominators are limited to 2, 3 or 4.	SE/TE: 377–381, 383–388, 395–400–410, 542, 568, 638 TE Only: 375C, 375F, 377A, 395A, 401A
Strand: GEOMETRIC REASONING		
Standard 1: Classify two-dimensional figures and three-dimensional figures based on defining attributes.		
MA.5.GR.1.AP.1a	Sort triangles into different categories based on the size of their angles. Triangles include acute, obtuse and right.	SE/TE: 473–475, 477–484, 490, 497, 499, 501, 502, 518, 530 TE Only: 471F, 479B, 519B, 531B
MA.5.GR.1.AP.1b	Sort quadrilaterals into different categories based on shared defining attributes. Explore why a quadrilateral would or would not belong to a category. Quadrilaterals include parallelograms, rhombi, rectangles, squares and trapezoids.	SE/TE: 474–478, 484, 485–490, 496 498–500, 502, 518, 530, 562 TE Only: 471C, 485B, 491B, 531B
MA.5.GR.1.AP.2	Identify and sort three-dimensional figures into categories based on their defining attributes. Figures are limited to right rectangular pyramids, right rectangular prisms, right circular cylinders, right circular cones and spheres.	SE/TE: 491–496, 498, 500–502, 512, 660
Standard 2: Find the perimeter and area of rectangles with fractional or decimal side lengths.		
MA.5.GR.2.AP.1	Find the perimeter and area of a rectangle with decimal side lengths using a visual model and calculator.	SE/TE: 448, 449, 451, 454, 455, 457, 459, 461–463, 465–470 TE Only: 525B

Standard	Descriptor	Citations
Standard 3: Solve problems involving the volume of right rectangular prisms.		
MA.5.GR.3.AP.1	Explore volume as an attribute of three-dimensional figures that can be measured by packing them with unit cubes without gaps.	SE/TE: 504, 507–514, 518, 522–525, 528, 529, 546, 548 TE Only: 505C, 507B, 513B
MA.5.GR.3.AP.2	Find the volume of a right rectangular prism with whole-number side lengths by counting unit cubes. Explore that the volume is the same as what would be found by multiplying the edge lengths.	SE/TE: 514–536, 542–545, 547, 548 TE Only: 505F, 519B, 531B
MA.5.GR.3.AP.3	Solve real-world problems involving the volume of right rectangular prisms with given whole-number edge lengths using a visual model or formula.	SE/TE: 504, 516–548, 654 TE Only: 519B, 531B, 537B
Standard 4: Plot points and represent problems on the coordinate plane		
MA.5.GR.4.AP.1	Explore the first quadrant of the coordinate plane including the origin, axes and points located by using ordered pairs.	SE/TE: 518, 578, 581, 587, 591–597, 603–608, 610, 613, 614, 621, 623, 625, 648, 661 TE Only: 643B
MA.5.GR.4.AP.2	Plot and label ordered pairs in the first quadrant of the coordinate plane.	SE/TE: 587, 599, 601, 604–607, 610, 611–613, 625, 626, 644, 645, 647, 654, 665
Strand: DATA ANALYSIS AND PROBABILITY		
Standard 1: Collect, represent and interpret data and find the mean, mode, median or range of a data set.		
MA.5.DP.1.AP.1	Sort and represent numerical data, including fractional values using tables or line plots (when given a scaled number line). Data set to include only whole numbers, halves and quarters.	SE/TE: 275, 346, 347, 358, 379, 410, 577, 631–645, 647, 650–653, 661, 662 TE Only: 637B
MA.5.DP.1.AP.2	Interpret numerical data, with whole-number values, represented with tables or line plots by determining the mean, mode or range. Line plot scales to include only whole numbers, halves and quarters.	SE/TE: 650–653, 657, 659, 660, 662–664, 666 TE Only: 629C, 643B