Houghton Mifflin Harcourt
***Florida's B.E.S.T. Go Math!, Grade 3* ©2023**

correlated to the

Access Points to Florida's B.E.S.T. Standards: Mathematics (2021)
Grade 3

Standard	Descriptor	Citations
Strand: NUMBER SENSE AND OPERATIONS		
Standard 1: Understand the place value of four-digit numbers.		
MA.3.NSO.1.AP.1	Read and generate numbers from 0 to 1,000 using standard form and expanded form.	SE/TE: 5, 7, 12, 89, 90–93, 119–120 TE Only: 5C, 7B, 13B, 45B, 89A, 89B, 107B, 159B
MA.3.NSO.1.AP.2	Compose and decompose numbers up to 1,000 using thousands, hundreds, tens and ones. Demonstrate each composition or decomposition with objects, drawings, expressions or equations.	SE/TE: 5, 7, 12, 245 TE Only: 5C, 7B, 13B, 45B, 91
MA.3.NSO.1.AP.3	Plot, order and compare whole numbers up to 1,000.	SE/TE: 18, 19, 21, 23–24, 28–30, 45–47, 49, 52, 57–60, 66, 75–76, 78, 83-86, 141–145, 229, 252 TE Only: 19B, 22, 25B, 25, 27, 51B, 77, 101B, 102, 141B, 625B
MA.3.NSO.1.AP.4	Round whole numbers from 0 to 1,000 to the nearest 100 with visual support.	SE/TE: 19, 21, 23, 45–47, 49, 52, 326
Standard 2: Add and subtract multi-digit whole numbers. Build an understanding of multiplication and division operations.		
MA.3.NSO.2.AP.1	Apply a strategy to add and subtract two two-digit whole numbers.	SE/TE: 57–60, 62, 66, 75–76, 78, 80, 83-86, 86A, 94, 100, 103, 106, 112, 115, 290 TE Only: 37E, 37H, 77, 95B, 101B, 203B, 233B, 553B, 815B

Standard	Descriptor	Citations
MA.3.NSO.2.AP.2	Explore the concept of multiplication of two single-digit whole numbers using objects.	SE/TE: 129–136, 138–140, 153–163, 165, 170–177, 179, 181, 183–184, 187, 196–200, 202, 239–244, 290, 302, 338, 364, 394, 412, 469, 616, 732 TE Only: 127E, 135B, 137, 141B, 147, 151, 153A, 159B, 165B, 167, 176A, 177E, 177H, 179B, 203A, 203, 221B, 229, 235
MA.3.NSO.2.AP.3	Explore multiplying a one-digit whole number by 10.	SE/TE: 143, 185–187, 189–190, 225, 231, 253, 354–355 TE Only: 191B, 253A, 353B, 427
MA.3.NSO.2.AP.4	Explore the relationship between multiplication and division in order to multiply and divide. Multiplication may not exceed two single-digit whole numbers and their related division facts.	SE/TE: 315, 321–332, 339–344, 354–357, 362, 364, 366, 370, 372, 378–379, 381–382, 384–385, 387–394, 396–397, 413–414, 500, 540, 546, 552, 580, 648, 666, 680. 732 TE Only: 293, 297B, 321B, 344A, 345E, 349, 353B, 367, 371, 373–375, 377B, 380, 383B, 386, 389B, 395, 398, 403, 407B, 407, 407, 409, 418A, 435, 593B, 599B
Strand: ALGEBRAIC REASONING		
Standard 1: Solve multiplication and division problems.		
MA.3.AR.1.AP.1	Apply the commutative property of multiplication to find a product of one-digit whole numbers.	SE/TE: 154–155, 159–163, 168, 171–176, 264, 376, 394, 412, 598, 636 TE Only: 167, 176A, 177H

Standard	Descriptor	Citations	
MA.3.AR.1.AP.2a	Solve one- and two-step addition and subtraction real-world problems within 100.	SE/TE:	43, 57, 60, 62, 75–76, 78, 80, 83–86, 94, 100, 106, 112, 426, 482
		TE Only:	37E, 39B, 59, 86A, 115, 455, 833B
MA.3.AR.1.AP.2b	Solve one-step multiplication and division real-world problems. Multiplication may not exceed two single-digit whole numbers and their related division facts.	SE/TE:	129–130, 132–139, 141–147, 149–153, 156–157, 163, 165–176, 179–181, 183–189, 191–192, 194–198, 200–201, 203, 205–208, 214, 220–227, 229, 231– 232, 238–240, 264, 270, 276, 285–290, 291–292, 294–298, 300–302, 303–304, 306–309, 312–314, 318–321, 323–326, 331–332, 336–344, 347–348, 351–353, 355–359, 361, 363–365, 368–371, 374–377, 379–383, 385–390, 392–395, 397, 399–400, 406, 413–418, 423, 427–428, 431–432, 445, 448–450, 454, 456, 462, 465–468, 476, 482, 488, 494, 540, 552, 558, 564, 580, 586, 592, 610, 616, 630, 636, 642, 660, 680, 686, 732. 776
		TE Only:	131, 176A, 197B, 203B, 209B, 215B, 227B, 235, 244A, 253B, 271B, 297B, 299, 303B, 309B, 321B, 327B, 344A, 365B, 371, 418A, 419H, 435, 445B, 447, 451B, 455, 521B, 575B, 581B, 643B, 657, 675B, 739B, 759B

Standard	Descriptor	Citations
Standard 2: Develop an understanding of equality and multiplication and division.		
MA.3.AR.2.AP.1	Explore division as multiplication with a missing factor using the relationship between multiplication and division.	SE/TE: 321–326, 328–329, 332, 339–344, 354–356, 362, 366, 370, 372, 378–379, 381–382, 384–385, 387–394, 413–414, 540, 552, 580, 648, 732 TE Only: 330–331, 344A, 373, 375, 403, 409, 418A, 435
MA.3.AR.2.AP.2	Determine if multiplication or division equations with no more than three terms are true or false. Multiplication may not exceed two single-digit whole numbers and their related division facts.	SE/TE: 168, 223, 239–244, 336, 339–340, 374, 413–418, 448, 463–464 TE Only: 244A, 344A, 418A, 468A
MA.3.AR.2.AP.3	Determine the unknown whole number in a multiplication or division equation, relating three whole numbers, with the product or quotient unknown (e.g., 2 × 5 = __, 10 ÷ 5 = __). Multiplication may not exceed two single-digit whole numbers and their related division facts.	SE/TE: 322–326, 327–329, 332, 339–340, 354–357, 362, 370, 378–379, 381–382, 384–385, 387–394, 413–414, 540, 552, 580, 732 TE Only: 403, 409, 418A
Standard 3: Identify numerical patterns, including multiplicative patterns.		
MA.3.AR.3.AP.1	Determine whether a whole number from 1 to 100 is even or odd.	SE/TE: 40–44, 50, 56, 62, 81–82, 190, 208, 216–217, 219–220, 439–441, 463–464, 482 TE Only: 439B
MA.3.AR.3.AP.2	Explore that a whole number is a multiple of each of its factors. Factors not to exceed single-digit whole numbers.	SE/TE: 433–437 TE Only: 185, 359B
MA.3.AR.3.AP.3	Extend a numerical pattern when given a one-step addition rule (e.g., when given the pattern 5, 10, 15, use the rule add 5 to extend the pattern).	SE/TE: 427, 429 TE Only: 427B

Standard	Descriptor	Citations
Strand: MEASUREMENT		
Standard 1: Measure attributes of objects and solve problems involving measurement.		
MA.3.M.1.AP.1a	Select and use appropriate tools to measure the length (i.e., inches, feet, yards) of an object.	SE/TE: 500, 515–520, 527–528, 673, 675–680, 717–722 TE Only: 675B, 722A
MA.3.M.1.AP.1b	Explore selecting and using appropriate tools to measure liquid volume (i.e., gallons, quarts, pints, cups) and temperature in degrees Fahrenheit.	SE/TE: 681–683, 685, 705–708 TE Only: 705B
MA.3.M.1.AP.2a	Solve one- and two-step addition and subtraction real-world problems within 100 with whole number lengths (i.e., inches, feet, yards), temperatures (i.e., degrees Fahrenheit) or liquid volumes (i.e., gallons, quarts, pints, cups).	SE/TE: 685, 708–709, 714, 782 TE Only: 722A
MA.3.M.1.AP.2b	Solve one-step multiplication and division real-world problems with whole number lengths (i.e., inches, feet, yards), temperatures (i.e., degrees Fahrenheit) or liquid volumes (i.e., gallons, quarts, pints and cups). Multiplication may not exceed two single-digit whole numbers and their related division facts.	SE/TE: 142, 684–685 TE Only: 722A
Standard 2: Tell and write time and solve problems involving time.		
MA.3.M.2.AP.1	Using analog and digital clocks, express the time to the nearest five minutes using a.m. and p.m. appropriately.	SE/TE: 533, 535, 537–543, 545–546 TE Only: 535A, 570A
MA.3.M.2.AP.2	Solve for end time in one-step real-world problems when given start time and elapsed time in whole hours or minutes within the hour.	SE/TE: 488, 538, 565–566 TE Only: 548
Strand: FRACTIONS		
Standard 1: Understand fractions as numbers and represent fractions.		
MA.3.FR.1.AP.1	Explore unit fractions in the form 1/n as the quantity formed by one part when a whole is partitioned into n equal parts. Denominators are limited to 2, 3 and 4.	SE/TE: 572, 574–580, 581–586, 588–589, 591–592, 593–598, 599–600, 602–604, 605, 607, 609, 611–613, 615–616, 619–622, 623, TE Only: 573E, 575B, 581A, 581B, 587B, 590, 593A, 593B, 601, 605B, 622A, 661B

Standard	Descriptor	Citations
MA.3.FR.1.AP.2	Explore fractions, less than or equal to a whole, in the form of m/n as the result of adding the unit fraction 1/n to itself m times. Denominators are limited to 2, 3 and 4.	SE/TE: 587–589, 591–592, 593–596, 599–600, 602–604, 612–613, 615, 619–622, 623 TE Only: 590, 593A, 601, 622A, 661B
MA.3.FR.1.AP.3	Read and generate fractions, less than or equal to a whole, using standard form.	SE/TE: 581–586, 587–592, 593–598, 599–604, 605, 607, 609, 611–613, 615–618, 619–622, 623 TE Only: 587B, 605B, 611B, 622A, 661B
Standard 2: Order and compare fractions and identify equivalent fractions.		
MA.3.FR.2.AP.1	Compare fractional numbers with the same denominator. Denominators are limited to 2, 3 and 4.	SE/TE: 488, 624, 627, 629, 631, 633–635, 644–645, 653, 667–672 TE Only: 623E, 651
MA.3.FR.2.AP.2	Using a visual model, recognize fractions less than a whole that are equivalent to fractions with denominators of 2, 3 or 4 (e.g., 4/8 is equivalent to 1/2).	SE/TE: 655–660, 661–666, 669–672 TE Only: 672A
Strand: GEOMETRIC REASONING		
Standard 1: Describe and identify relationships between lines and classify quadrilaterals.		
MA.3.GR.1.AP.1	Identify points, lines, line segments, perpendicular lines and parallel lines. Identify these in two-dimensional figures.	SE/TE: 727–729, 731, 738, 739–744, 747–748, 750–756, 783–788 TE Only: 756A
MA.3.GR.1.AP.2	Identify quadrilaterals based on their defining attributes. Quadrilaterals include parallelograms, rhombi, rectangles, squares and trapezoids.	SE/TE: 725, 733-738, 741–744, 745–750, 752–756, 757, 763–764, 765–770, 782–788 TE Only: 727B, 756A, 757C, 788A
MA.3.GR.1.AP.3	Identify line-symmetric two-dimensional figures.	SE/TE: 757, 771–776, 779, 781, 783–784 TE Only: 757C, 777B, 788A

Standard	Descriptor	Citations
Standard 2: Solve problems involving the perimeter and area of rectangles.		
MA.3.GR.2.AP.1	Explore area as an attribute of a two-dimensional figure that can be measured by covering the figure with unit squares without gaps or overlaps.	SE/TE: 470–490, 493, 495–506, 508, 529–532 TE Only: 469C, 469F, 471B, 477A, 491, 506A, 507C
MA.3.GR.2.AP.2	Find the area of a rectangle with whole-number side lengths by counting unit squares. Explore that the area is the same as what would be found by multiplying the side lengths.	SE/TE: 471–473, 475, 477–485, 487, 493, 495–496 TE Only: 469F, 477A
MA.3.GR.2.AP.3	Solve mathematical and real-world problems involving the perimeter and area of rectangles with whole-number side lengths using a visual model.	SE/TE: 483–490, 492–493, 495–506, 507, 509, 511–532, 764 TE Only: 491, 506A, 507F, 532A
MA.3.GR.2.AP.4	Explore the perimeter and area of composite figures composed of two non-overlapping rectangles with whole-number side lengths.	SE/TE: 474, 475–476, 479, 495–500, 511, 513, 516–519, 527–532 TE Only: 472–473, 532A
Strand: DATA ANALYSIS AND PROBABILITY		
Standard 1: Collect, represent and interpret numerical and categorical data.		
MA.3.DP.1.AP.1a	Sort and represent categorical data (up to four categories) with whole-number values using tables, pictographs or bar graphs. Select appropriate title, labels and units.	SE/TE: 158, 804, 815–819, 833–835, 837, 841–844 TE Only: 366, 795, 797B, 807, 844A
MA.3.DP.1.AP.1b	Explore representing numerical data with whole-number values using line plots.	SE/TE: 821–826 TE Only: 789E, 844A
MA.3.DP.1.AP.2a	Interpret data with whole-number values represented with tables, pictographs or bar graphs to solve one-step "how many more" and "how many less" problems.	SE/TE: 170, 208, 258, 430, 791, 793–795, 804, 833 TE Only: 203B, 827B

Standard	Descriptor	Citations
MA.3.DP.1.AP.2b	Interpret data with whole-number values represented with scaled pictographs or scaled bar graphs. For scaled pictographs, symbols used may only represent quantities of 2, 5 or 10 and only whole symbols may be used. For scaled bar graphs, intervals may only represent quantities of 2, 5 or 10.	SE/TE: 150, 158, 170, 182, 190, 202, 312, 592, 789, 797, 802, 809–811, 813, 816, 834–835, 837, 839–844 TE Only: 798–799, 815B, 844A
MA.3.DP.1.AP.2c	Explore interpreting data with whole-number values represented with line plots.	SE/TE: 821–826, 841–844 TE Only: 185B, 844A