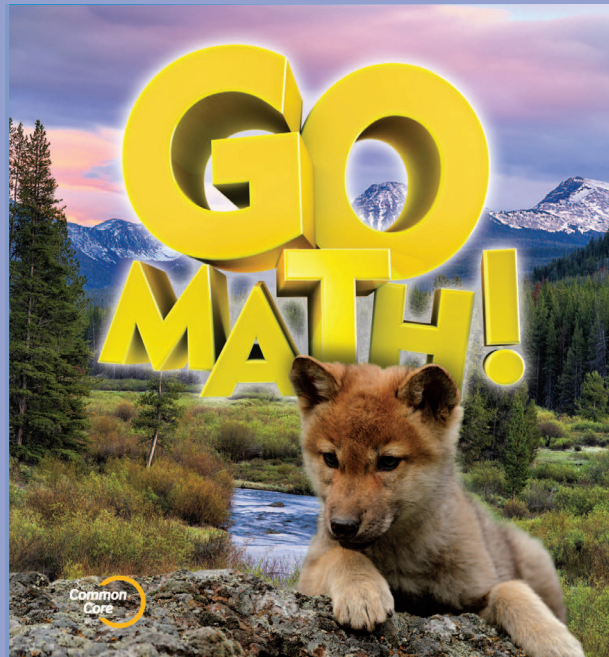Correlation to the
**Common Core State Standards
for Mathematics
Grade 1**

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correlated to the

Common Core State Standards for Mathematics
Grade 1

Standards	Descriptor	Citations	
Standards for Mathematical Practice			
SMP.1	Make sense of problems and persevere in solving them.	SE:	16, 20, 22, 25, 28, 46, 52, 57–58, 71, 76, 78, 83, 89, 90, 94, 95, 96, 101, 131, 134, 137, 200, 223, 225, 237, 242, 243, 244, 257, 263, 280, 281, 364, 374, 376, 401, 438, 439, 440, 473, 479, 482, 491–492, 494, 521, 528, 538, 552, 564, 605–606, 607, 608, 640, 645, 653, 657–658, 690, 692, 696, 697, 704, 708, 710, 719, 721, 722, 727
		TE:	16, 20, 22, 25, 28, 46, 52, 57, 58, 71, 76, 78, 83, 89, 90, 94, 95, 96, 101, 131, 134, 137, 200, 223, 225, 237, 242, 243, 244, 257, 263, 280, 281, 364, 374, 376, 401, 438, 439, 440, 473, 479, 482, 491, 492, 494, 521, 528, 538, 552, 564, 605, 606, 607, 608, 640, 645, 653, 657, 658, 690, 692, 696, 697, 704, 708, 710, 719, 721, 722, 727
SMP.2	Reason abstractly and quantitatively.	SE:	15, 22, 39, 45, 71, 75, 77, 84, 95, 167–168, 169, 176, 182, 186, 200, 211, 231, 235, 237, 238, 244, 258, 288, 300, 310, 311, 333, 334, 339, 340, 351, 367–368, 369, 370, 385, 420, 443, 445, 457, 458, 463, 464, 467, 470, 475, 494, 525, 528, 533, 549, 551, 558, 599, 601, 602, 641, 646
		TE:	15, 22, 39, 45, 71, 75, 77, 84, 95, 167, 168, 169, 176, 182, 186, 200, 211, 231, 235, 237, 238, 244, 258, 288, 300, 310, 311, 333, 334, 339, 340, 351, 367, 368, 369, 370, 385, 420, 443, 445, 457, 458, 463, 464, 467, 470, 475, 494, 525, 528, 533, 549, 551, 558, 599, 601, 602, 641, 646

Standards	Descriptor	Citations
SMP.3	Construct viable arguments and critique the reasoning of others.	SE: 15, 106, 111–112, 157, 163, 185, 187, 191, 194, 292, 293, 294, 345, 349, 352, 405, 425, 437, 439, 451, 485, 513, 515, 516, 520, 522, 533, 538, 581, 587, 589, 595, 639, 709, 714, 715 TE: 15, 106, 111, 112, 157, 163, 185, 187, 191, 194, 292, 293, 294, 345, 349, 352, 405, 425, 437, 439, 451, 485, 513, 515, 516, 520, 522, 533, 538, 581, 587, 589, 595, 639, 709, 174, 715
SMP.4	Model with mathematics.	SE: 13–14, 26–27, 32, 33, 37–38, 44, 50, 57, 70, 72, 77, 78, 82, 83, 84, 88, 89, 95, 100, 101, 113, 114, 118, 132, 179–180, 181, 198, 199, 212, 218, 219, 224, 229–230, 242, 256, 268, 274, 285, 350, 356, 361, 370, 376, 379, 381, 385, 387, 388, 411–412, 413, 418, 419, 444, 449–450, 456, 462, 463, 480, 481, 519, 576–577, 578, 582, 583, 589, 593–594, 601, 607, 635, 689, 691, 696, 702, 703, 721, 727 TE: 13, 14, 26, 27, 32, 33, 37, 38, 44, 50, 57, 70, 72, 77, 78, 82, 83, 84, 88, 89, 95, 100, 101, 113, 114, 118, 132, 179, 180, 181, 198, 199, 212, 218, 219, 224, 229, 230, 242, 256, 268, 274, 285, 350, 356, 361, 370, 376, 379, 381, 385, 387, 388, 411, 412, 413, 418, 419, 444, 449, 450, 456, 462, 463, 480, 481, 519, 576, 577, 578, 582, 583, 589, 593, 594, 601, 607, 635, 689, 691, 696, 702, 703, 721, 727
SMP.5	Use appropriate tools strategically.	SE: 21, 81, 83, 89, 90, 143, 145, 150, 151, 169, 170, 173–174, 175, 225, 231, 232, 236, 261, 297, 299, 339, 343–344, 346, 362, 399–400, 401, 406, 407, 457, 467–468, 469, 531–532, 533, 534, 555–556, 590, 612, 647, 683, 685, 701, 703 TE: 21, 81, 83, 89, 90, 143, 145, 150, 151, 169, 170, 173, 174, 175, 225, 231, 232, 236, 261, 297, 299, 339, 343, 344, 346, 362, 399, 400, 401, 406, 407, 457, 467, 468, 469, 531, 532, 533, 534, 555, 556, 590, 612, 647, 683, 685, 701, 703

Standards	Descriptor	Citations	
SMP.6	Attend to precision.	SE:	19, 49, 56, 57, 117, 119, 120, 133, 138, 139, 155, 157, 192, 194, 213, 214, 291, 293, 304, 305, 306, 309, 311, 312**,** 345, 351, 363, 369, 374, 380, 386, 387, 423, 424, 439, 451, 455, 457, 458, 464, 475, 476, 480, 514, 516, 526, 527, 545, 546, 557, 584, 612, 613, 614, 634, 641, 642, 652, 659, 671, 673, 678, 679, 680, 684, 686, 713, 716, 720, 721, 725–726, 727, 728
		TE:	19, 49, 56, 57, 117, 119, 120, 133, 138, 139, 155, 157, 192, 194, 213, 214, 291, 293, 304, 305, 306, 309, 311, 312, 345, 351, 363, 369, 374, 380, 386, 387, 423, 424, 439, 451, 455, 457, 458, 464, 475, 476, 480, 514, 516, 526, 527, 545, 546, 557, 584, 612, 613, 614, 634, 641, 642, 652, 659, 671, 673, 678, 679, 680, 684, 686, 713, 716, 720, 721, 725, 726, 727, 728
SMP.7	Look for and make use of structure.	SE:	43, 45, 51, 55, 58, 107, 113, 145, 149, 152, 157, 158, 161–162, 163, 188, 217, 220, 262, 267, 269, 270, 273, 275, 281, 286, 298, 331, 333, 355, 357, 379, 382, 401, 408, 426, 445, 446, 463, 474, 475, 476, 486–487, 488, 543–544, 545, 601, 602, 652, 654, 672, 677, 707, 709
		TE:	43, 45, 51, 55, 58, 107, 113, 145, 149, 152, 157, 158, 161, 162, 163, 188, 217, 220, 262, 267, 269, 270, 273, 275, 281, 286, 298, 331, 333, 355, 357, 379, 382, 401, 408, 426, 445, 446, 463, 474, 475, 476, 486, 487, 488, 543, 544, 545, 601, 602, 652, 654, 672, 677, 707, 709
SMP.8	Look for and express regularity in repeated reasoning.	SE:	40, 51, 105, 107, 108, 140, 144, 156, 193, 263, 264, 269, 270, 275, 282, 331, 337, 357, 407, 481, 493, 527, 550, 551, 561–562, 595, 633, 636, 673, 674, 679, 685
		TE:	40, 51, 105, 107, 108, 140, 144, 156, 193, 263, 264, 269, 270, 275, 282, 331, 337, 357, 407, 481, 493, 527, 550, 551, 561, 562, 595, 633, 636, 673, 674, 679, 685

Standards	Descriptor	Citations
Standards for Mathematical Content		
1.OA	**Operations and Algebraic Thinking**	
Represent and solve problems involving addition and subtraction		
1.OA.1	Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.	SE: 13–15, 16, 17–18, 19–21, 22, 23–24, 25–27, 28, 29–30, 31–33, 35–36, 49–51, 52, 53–54, 69–71, 72, 73–74, 75–77, 78, 79–80, 81–83, 84, 85–86, 87–89, 90, 91–92, 99–101, 103–104, 111–113, 114, 115–116, 241–243, 244, 245–246, 255–257, 258, 269–260, 291–293, 294, 295–296 TE: 13A–13B, 13–18, 19A–19B, 19–24, 25A–25B, 25–30, 31A–31B, 31–33, 35–36, 49A–49B, 49–54, 69A–69B, 69–74, 75A–75B, 75–80, 81A–81B, 81–86, 87A–87B, 87–92, 99A–99B, 99–101, 103–104, 111A–111B, 111–116, 241A–241B, 241–246, 255A–255B, 255–260, 291A–291B, 291–296
1.OA.2	Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.	SE: 197–199, 200, 201–202 TE: 197A–197B, 197–202
Understand and apply properties of operations and the relationship between addition and subtraction		
1.OA.3	Apply properties of operations as strategies to add and subtract.	SE: 37–39, 40, 41–42, 43–45, 46, 47–48, 131–133, 134, 135–136, 185–187, 188, 189–190, 191–193, 194, 195–196 TE: 37A–37B, 37–42, 43A–43B, 43–48, 131A–131B, 131–136, 185A–185B, 185–190, 191A–191B, 191–196
1.OA.4	Understand subtraction as an unknown-addend problem.	SE: 217–219, 220, 221–222, 223–225, 227–228 TE: 217A–217B, 217–222, 223A–223B, 223–225, 227–228

Standards	Descriptor	Citations
Add and subtract within 20		
1.OA.5	Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).	SE: 137–139, 140, 141–142, 211–213, 214, 215–216 TE: 137A–137B, 137–142, 211A–211B, 211–216
1.OA.6	Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., $8 + 6 = 8 + 2 + 4 = 10 + 4 = 14$); decomposing a number leading to a ten (e.g., $13 - 4 = 13 - 3 - 1 = 10 - 1 = 9$); using the relationship between addition and subtraction (e.g., knowing that $8 + 4 = 12$, one knows $12 - 8 = 4$); and creating equivalent but easier or known sums (e.g., adding $6 + 7$ by creating the known equivalent $6 + 6 + 1 = 12 + 1 = 13$).	SE: 55–57, 58, 59–60, 117–119, 120, 121–122, 137–142, 143–148, 149–154, 155–157, 158, 159–160, 161–163, 165–166, 167–169, 170, 171–172, 173–175, 176, 177–178, 179–181, 182, 183–184, 191–196, 197–202, 211–216, 229–231, 232, 233–234, 235–237, 238, 239–240, 267–269, 270, 271–272, 273–275, 277–278, 285–290, 291–296, 297–299, 300, 301–302, 303–308, 309–311, 312, 313–314, 437–440, 441, 442–442, 491–496 TE: 55A–55B, 55–60, 117A–117B, 117–122, 137A–137B, 137–142, 143A–143B, 143–148, 149A–149B, 149–154, 155A–155B, 155–160, 161A–161B, 161–163, 165–166, 167A–167B, 167–172, 173A–173B, 173–178, 179A–179B, 179–184, 191A–191B, 191–196, 197A–197B, 197–202, 211A–211B, 211–216, 229A–229B, 229–234, 235A–235B, 235–240, 267A–267B, 267–272, 273A–273B, 273–275, 277–278, 285A–285B, 285–290, 291A–291B, 291–296, 297A–297B, 297–302, 303A–303B, 303–308, 309A–309B, 309–314, 437A–437B, 437–442, 491A–491B, 491–496

Standards	Descriptor	Citations	
Work with addition and subtraction equations			
1.OA.7	Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.	SE:	303–305, 306, 307–308, 411–413
		TE:	303A–303B, 303–308, 411A–411B, 411–413
1.OA.8	Determine the unknown whole number in an addition or subtraction equation relating to three whole numbers.	SE:	93–95, 96, 97–98, 105–107, 108, 109–110, 137–142, 143–148, 149–154, 155–160, 161–163, 165–166, 167–172, 173–178, 179–184, 211–216, 223–225, 227–228, 229–234, 235–240, 261–266, 267–272, 273–275, 277–278, 279–281, 282, 283–284, 285–287, 288, 289–290
		TE:	93A–93B, 93–98, 105A–105B, 105–110, 137A–137B, 137–142, 43A–143B, 143–148, 149A–149B, 149–154, 155A–155B, 155–160, 161A–161B, 161–163, 165–166, 167A–167B, 167–172, 173A–173B, 173–178, 179A–179B, 179–184, 211A–211B, 211–216, 223A–223B, 223–225, 227–228, 229A–229B, 229–234, 235A–235B, 235–240, 261A–261B, 261–266, 267A–267B, 267–272, 273A–273B, 273–275, 277–278, 279A–279B, 279–284, 285A–285B, 285–290
1.NBT	**Number and Operations in Base Ten**		
Extend the counting sequence			
1.NBT.1	Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.	SE:	331–333, 334, 335–336, 337–339, 340, 341–342, 379–381, 382, 383–384, 385–387, 388, 389–390
		TE:	331A–331B, 331–336, 337A–337B, 337–342, 379A–379B, 379–384, 385A–385B, 385–390

Standards	Descriptor	Citations	
Understand place value			
1.NBT.2	Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases	SE:	343–348, 349–351, 352, 353–354, 355–357, 359–360, 361–363, 364, 365–366, 367–370, 371–372, 373–375, 376, 377–378
		TE:	343A–343B, 343–348, 349–354, 355A–355B, 355–357, 359–360, 361A–361B, 361–366, 367A–367B, 367–372, 373A–373B, 373–378
1.NBT.2a	10 can be thought of as a bundle of ten ones — called a "ten."	SE:	355–357, 359–360, 373–375, 376, 377–378
		TE:	355A–355B, 355–357, 359–360, 373A–373B, 373–378
1.NBT.2b	The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.	SE:	343–345, 346, 347–348, 349A–349B, 349–351, 352, 353–354
		TE:	343A–343B, 343–348, 349A–349B, 349–354
1.NBT.2c	The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).	SE:	355–357, 359–360
		TE:	355A–355B, 355–360
1.NBT.3	Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols >, =, and <.	SE:	373–375, 376, 377–378, 399–401, 402, 403–404, 405–407, 408, 409–410, 411–413, 415–416, 417–420, 421, 422
		TE:	373A–373B, 373–378, 399A–399B, 399–404, 405A–405B, 405–413, 415–416, 417A–417B, 417–422

Standards	Descriptor	Citations	
Use place value understanding and properties of operations to add and subtract			
1.NBT.4	Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten	SE:	443–445, 446, 447–448, 455–457, 458, 459–460, 461–463, 464, 465–466, 467–469, 470, 471–472, 473–475, 476, 477–478, 479–481, 482, 483–484, 485–487, 488, 489–490, 491–496
		TE:	443A–443B, 443–448, 455A–455B, 455–460, 461A–461B, 461–466, 467A–467B, 467–472, 473A–473B, 473–478, 479A–479B, 479–484, 485A–485B, 485–490, 491A–491B, 491–496
1.NBT.5	Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.	SE:	423–425, 426, 427–428
		TE:	423A–423B, 423–428
1.NBT.6	Subtract multiples of 10 in the range 10–90 from multiples of 10 in the range 10–90 (positive or zero differences), using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.	SE:	449–451, 453–454, 491–493, 494, 495–496
		TE:	449A–449B, 449–451, 453–454, 491A–491B, 491–496

Standards	Descriptor	Citations	
1.MD	**Measurement and Data**		
Measure lengths indirectly and by iterating length units			
1.MD.1	Order three objects by length; compare the lengths of two objects indirectly by using a third object.	SE:	513–515, 516, 517–518, 519–521, 522, 523–524
		TE:	513A–513B, 513–518, 519A–519B, 519–524
1.MD.2	Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Limit to contexts where the object being measured is spanned by a whole number of length units with no gaps or overlaps.	SE:	525–527, 528, 529–530, 531–533, 534, 535–536, 537–539, 542
		TE:	525A–525B, 525–530, 531A–531B, 531–536, 537A–537B, 537–539, 541–542
Tell and write time			
1.MD.3	Tell and write time in hours and half-hours using analog and digital clocks	SE:	543–545, 546, 547–548, 549–551, 552, 553–554, 555–557, 558, 559–560, 561–563, 564, 565–566
		TE:	543A–543B, 543–548, 549A–549B, 549–554, 555A–555B, 555–560, 561A–561B, 561–566
Represent and interpret data			
1.MD.4	Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.	SE:	575–577, 578, 579–580, 581–583, 584, 585–586, 587–589, 590, 591–592, 593–595, 597–598, 599–601, 602, 603–604, 605–607, 608, 609–610, 611–613, 614, 615–616
		TE:	575A–575B, 575–580, 581A–581B, 581–586, 587A–587B, 587–592, 593A–593B, 593–595, 597–598, 599A–599B, 599–604, 605A–605B, 605–610, 611A–611B, 611–616

Standards	Descriptor	Citations
1.G	**Geometry**	
Reason with shapes and their attributes		
1.G.1	Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.	SE: 633–635, 636, 637–638, 657–660, 661, 662, 671–673, 674, 675–676, 677–679, 680, 681–682 TE: 633A–633B, 633–638, 657A–657B, 657–662, 671–676, 677A–677B, 677–682
1.G.2	Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.	SE: 639–641, 642, 643–644, 645–647, 649–650, 651–653, 654, 655–656, 683–685, 686, 687–688, 689–691, 692, 693–694, 695– 697, 699–700, 701–703, 704, 705–706, 707–710, 710, 711–712 TE: 639A–639B, 639–644, 645A–645B, 645–647, 649–650, 651A–651B, 651–656, 683A–683B, 683–688, 689A–689B, 689–694, 695A–695B, 695–697, 699–700, 701A–701B, 701–706, 707A–707B, 707–712
1.G.3	Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.	SE: 713–715, 716, 717–718, 719–721, 722, 723–724, 725–727, 728, 729–730 TE: 713A–713B, 713–718, 719A–719B, 719–724, 725A–725B, 725–730