

A Correlation of

enVisionmath[®]2.0

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To the
North Carolina
Standard Course of Study - Mathematics
Grade 2

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North Carolina Standard Course of Study Mathematics – Grade 2	enVisionmath2.0, ©2017 Grade 2
Standards for Mathematical Practice	
1. Make sense of problems and persevere in solving them.	<p>This standard is met throughout enVisionmath2.0 Grade 2, for examples please see: SE: F23; Topic 1: 56; Topic 2: 108; Topic 3: 168, 174; Topic 4: 238; Topic 5: 299; Topic 6: 326; Topic 7: 420; Topic 9: 520; Topic 10: 624, 626; Topic 11: 676; Topic 12: 704; Topic 13: 790; Topic 14: 830; Topic 15: 875</p> <p>TE: F23-F23A; Topic 1: 55-56; Topic 2: 107-108; Topic 3: 167-168, 173-174; Topic 4: 237-238; Topic 5: 299-300; Topic 6: 325-326; Topic 7: 419-420; Topic 9: 519-520; Topic 10: 623-624, 625-626; Topic 11: 675-676; Topic 12: 703-704; Topic 13: 789-790; Topic 14: 829-830; Topic 15: 875-876</p>
2. Reason abstractly and quantitatively.	<p>This standard is met throughout enVisionmath2.0 Grade 2, for examples please see: SE: F24; Topic 1: 64; Topic 2: 102; Topic 3: 158; Topic 4: 210; Topic 5: 264; Topic 6: 374; Topic 7: 402; Topic 8: 472; Topic 9: 570; Topic 10: 618; Topic 11: 658; Topic 12: 710; Topic 13: 772; Topic 14: 836; Topic 15: 904</p> <p>TE: F24; Topic 1: 63-64; Topic 2: 101-102; Topic 3: 157-158; Topic 4: 209-210; Topic 5: 263-264; Topic 6: 375-374; Topic 7: 401-402; Topic 8: 471-472; Topic 9: 569-570; Topic 10: 617-618; Topic 11: 657-658; Topic 12: 709-710; Topic 13: 771-772; Topic 14: 835-836; Topic 15: 903-904</p>
3. Construct viable arguments and critique the reasoning of others.	<p>This standard is met throughout enVisionmath2.0 Grade 2, for examples please see: SE: F25; Topic 1: 62; Topic 2: 108; Topic 3: 156; Topic 4: 212; Topic 5: 282; Topic 6: 324; Topic 7: 422; Topic 8: 446; Topic 9: 538; Topic 10: 616; Topic 11: 670; Topic 12: 702; Topic 13: 778; Topic 14: 838; Topic 15: 898</p> <p>TE: F25-F25A; Topic 1: 61-62; Topic 2: 107-108; Topic 3: 155-156; Topic 4: 212; Topic 5: 281-282; Topic 6: 324; Topic 7: 422; Topic 8: 445-446; Topic 9: 537-538; Topic 10: 616; Topic 11: 669-670; Topic 12: 701-702; Topic 13: 777-778; Topic 14: 837-838; Topic 15: 897-898</p>

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4. Model with mathematics.	<p>This standard is met throughout enVisionmath2.0 Grade 2, for examples please see: SE: F26; Topic 1: 50; Topic 2: 108; Topic 3: 149, 161; Topic 4: 240; Topic 5: 308; Topic 6: 376; Topic 7: 412; Topic 8: 452; Topic 9: 526; Topic 10: 612; Topic 11: 640, 648; Topic 12: 740; Topic 13: 790; Topic 14: 814; Topic 15: 892</p> <p>TE: F26-F26A, Topic 1: 49-50; Topic 2: 107-108; Topic 3: 149, 161; Topic 4: 239-240; Topic 5: 307-308; Topic 6: 375-376; Topic 7: 411-412; Topic 8: 451-452; Topic 9: 525-526; Topic 10: 611-612; Topic 11: 639-640, 647-648; Topic 12: 739-740; Topic 13: 789-790; Topic 14: 813-814; Topic 15: 891-892</p>
5. Use appropriate tools strategically.	<p>This standard is met throughout enVisionmath2.0 Grade 2, for examples please see: SE: F27; Topic 1: 44; Topic 2: 81-82; Topic 3: 134; Topic 4: 193; Topic 5: 270; Topic 6: 372; Topic 7: 391; Topic 8: 445; Topic 9: 514; Topic 10: 592; Topic 11: 644; Topic 12: 700; Topic 13: 784, 785; Topic 14: 803; Topic 15: 884</p> <p>TE: F27-F27A; Topic 1: 43-44; Topic 2: 81-82; Topic 3: 133-134; Topic 4: 193; Topic 5: 269-270; Topic 6: 372; Topic 7: 391; Topic 8: 445; Topic 9: 513-514; Topic 10: 592; Topic 11: 644; Topic 12: 700; Topic 13: 783-784, 785; Topic 14: 803; Topic 15: 884</p>
6. Attend to precision.	<p>This standard is met throughout enVisionmath2.0 Grade 2, for examples please see: SE: F28; Topic 1: 58; Topic 2: 82; Topic 3: 166; Topic 4: 228; Topic 5: 276; Topic 6: 348, 352; Topic 7: 412; Topic 8: 474, 488; Topic 9: 530, 536; Topic 10: 598-599; Topic 11: 651; Topic 12: 726; Topic 13: 788; Topic 14: 834; Topic 15: 868</p> <p>TE: F28-F28A; Topic 1: 57-58; Topic 2: 82; Topic 3: 166; Topic 4: 227-228; Topic 5: 275-276; Topic 6: 348, 360; Topic 7: 412; Topic 8: 474, 487-488; Topic 9: 530, 536; Topic 10: 598, 599-600; Topic 11: 651-652; Topic 12: 725-726; Topic 13: 787-788; Topic 14: 834; Topic 15: 867-868</p>

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<p>7. Look for and make use of structure.</p>	<p>This standard is met throughout enVisionmath2.0 Grade 2, for examples please see: SE: F29; Topic 1: 25, 36; Topic 2: 90; Topic 3: 149; Topic 4: 194, 224; Topic 5: 306; Topic 6: 360; Topic 7: 423; Topic 8: 456; Topic 9: 544, 568; Topic 10: 606; Topic 11: 638, 642; Topic 12: 720, 722; Topic 13: 781; Topic 14: 830; Topic 15: 886</p> <p>TE: F29-F29A; Topic 1: 25-26, 36; Topic 2: 89-90; Topic 3: 149-150; Topic 4: 194, 224; Topic 5: 305-306; Topic 6: 360; Topic 7: 423; Topic 8: 456; Topic 9: 543-544, 567-568; Topic 10: 605-606; Topic 11: 638, 650; Topic 12: 719-720; Topic 13: 781-782; Topic 14: 829-830; Topic 15: 867-868, 885-886</p>
<p>8. Look for and express regularity in repeated reasoning.</p>	<p>This standard is met throughout enVisionmath2.0 Grade 2, for examples please see: SE: F30; Topic 1: 24, 48; Topic 2: 88, 101; Topic 3: 155; Topic 4: 220; Topic 5: 262, 292; Topic 6: 338; Topic 7: 392; Topic 8: 482; Topic 9: 524, 548; Topic 10: 588; Topic 11: 666, 678; Topic 12: 708; Topic 13: 787; Topic 14: 822; Topic 15: 904</p> <p>TE: F30-F30A; Topic 1: 24, 48; Topic 2: 88, 101-102; Topic 3: 155-156; Topic 4: 219-220; Topic 5: 262, 292; Topic 6: 337-338; Topic 7: 392, 404; Topic 8: 481-482; Topic 9: 524, 548; Topic 10: 587-588; Topic 11: 650, 675-676; Topic 12: 707-708; Topic 13: 787-788; Topic 14: 822, 835-836; Topic 15: 903-904</p>

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Operations and Algebraic Thinking	
Represent and solve problems.	
<p>NC.2.OA.1 Represent and solve addition and subtraction word problems, within 100, with unknowns in all positions, by using representations and equations with a symbol for the unknown number to represent the problem, when solving:</p>	<p>SE: Topic 1: 53-58, 59-64; Reteaching: 70, Sets G-H; Topic 2: 105-110; Reteaching: 114, Set D; Topic 3: 165-170, 171-176; Reteaching: 182, Sets G-H; Topic 4: 229-234, 235-240; Reteaching: 246, Sets G-H; Topic 5: 297-302, 303-308; Reteaching: 314, Sets G-H; Topic 6: 365-370, 371-376; Reteaching: 382, Set G; Topic 7: 391-396, 397-402, 403-408, 409-414, 415-420, 421-426; Reteaching: 429-430, Sets A-D; Topic 8: 461-466, 467-472; Reteaching: 494-495, Sets B-C; Topic 13: 767-772, 773-778, 785-790; Reteaching: 793-794, Sets B, D; Topic 14: 827-832, 833-838; Reteaching: 844, Set D</p> <p>TE: Topic 1: 53A-58, 59A-64; Reteaching: 70, Sets G, H; Topic 2: 105A-110; Reteaching: 114, Set D; Topic 3: 165A-170, 171A-176; Reteaching: 182, Sets G-H; Topic 4: 229A-234, 235A-240; Reteaching: 246, Sets G-H; Topic 5: 297A-302, 303A-308; Reteaching: 314, Sets G-H; Topic 6: 365A-370, 371A-376; Reteaching: 382, Set G; Topic 7: 391A-396, 397A-402, 403A-408, 409A-414, 415A-420, 421A-426; Reteaching: 429-430, Sets A-D; Topic 8: 461A-466, 467A-472; Reteaching: 494-495, Sets B-C; Topic 13: 767A-772, 773A-778, 785A-790; Reteaching: 793-794, Sets B, D; Topic 14: 827A-832, 833A-838; Reteaching: 844, Set D</p>

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<p>• One-Step problems:</p>	<p>SE: Topic 1: 53-58, 59-64; Reteaching: 70, Sets G-H; Topic 2: 105-110; Reteaching: 114, Set D; Topic 3: 165-170, 171-176; Reteaching: 182, Sets G-H; Topic 4: 229-234, 235-240; Reteaching: 246, Sets G-H; Topic 5: 297-302, 303-308; Reteaching: 314, Sets G-H; Topic 6: 365-370, 371-376; Reteaching: 382, Set G; Topic 7: 391-396, 397-402, 403-408, 409-414, 415-420, 421-426; Reteaching: 429-430, Sets A-D; Topic 8: 461-466, 467-472; Reteaching: 494-495, Sets B-C; Topic 13: 767-772, 773-778, 785-790; Reteaching: 793-794, Sets B, D; Topic 14: 827-832, 833-838; Reteaching: 844, Set D</p> <p>TE: Topic 1: 53A-58, 59A-64; Reteaching: 70, Sets G, H; Topic 2: 105A-110; Reteaching: 114, Set D; Topic 3: 165A-170, 171A-176; Reteaching: 182, Sets G-H; Topic 4: 229A-234, 235A-240; Reteaching: 246, Sets G-H; Topic 5: 297A-302, 303A-308; Reteaching: 314, Sets G-H; Topic 6: 365A-370, 371A-376; Reteaching: 382, Set G; Topic 7: 391A-396, 397A-402, 403A-408, 409A-414, 415A-420, 421A-426; Reteaching: 429-430, Sets A-D; Topic 8: 461A-466, 467A-472; Reteaching: 494-495, Sets B-C; Topic 13: 767A-772, 773A-778, 785A-790; Reteaching: 793-794, Sets B, D; Topic 14: 827A-832, 833A-838; Reteaching: 844, Set D</p>
<p>o Add to/Take from-Start Unknown</p>	<p>SE: Topic 1: 16, 53-58; Reteaching: 70, Set G; Topic 3: 165-170; Reteaching: 182, Set G; Topic 5: 297-302, Reteaching: 314, Set G; Topic 6: 365-370; Reteaching: 383, Set G; Topic 7: 391-396; Reteaching: 429, Set A; Topic 13: 773-778; Reteaching: 793, Set B</p> <p>TE: Topic 1: 16, 53A-58; Reteaching: 70, Set G; Topic 3: 165A-170; Reteaching: 182, Set G; Topic 5: 297A-302; Reteaching: 314, Set G; Topic 6: 365A-370; Reteaching: 383A, Set G; Topic 7: 391A-396; Reteaching: 429, Set A; Topic 13: 773A-778; Reteaching: 793, Set B</p>

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o Compare-Bigger Unknown	<p>SE: Topic 1: 53-58; Reteaching: 70, Set G; Topic 3: 165-170; Reteaching: 182, Set G; Topic 4: 229-234; Reteaching: 246, Set G; Topic 5: 297-302; Reteaching: 314, Set G; Topic 7: 397-402; Reteaching: 429, Set B</p> <p>TE: Topic 1: 53A-58; Reteaching: 70, Set G; Topic 3: 165A-170; Reteaching: 182, Set G; Topic 4: 229A-234; Reteaching: 246, Set G; Topic 5: 297A-302; Reteaching: 314, Set G; Topic 7: 397A-402; Reteaching: 429, Set B</p>
o Compare-Smaller Unknown	<p>SE: Topic 1: 53-58, 59-64; Reteaching: 70, Sets G, H; Topic 4: 229-234; Reteaching: 246, Set G; Topic 7: 403-408; Reteaching: 429, Set B</p> <p>TE: Topic 1: 53A-58, 59A-64; Reteaching: 70, Sets G, H; Topic 4: 229A-234; Reteaching: 246, Set G; Topic 7: 403A-408; Reteaching: 429, Set B</p>
• Two-Step problems involving single digits:	<p>SE: Topic 3: 165-170, 171-176; Reteaching: 182, Sets G, H; Topic 4: 196, 202, 223-228, 229-234; Reteaching: 246, Set G; Topic 5: 297-302; Reteaching: 314, Set G; Topic 7: 409-414; Reteaching: 430, Set C</p> <p>TE: Topic 3: 165A-170, 171A-176; Reteaching: 182, Sets G, H; Topic 4: 196, 202, 223A-228, 229A-234; Reteaching: 246, Set G; Topic 5: 297A-302; Reteaching: 314, Set G; Topic 7: 409A-414; Reteaching: 430, Set C</p>
o Add to/Take from- Change Unknown	<p>SE: Topic 1: 53-58; Reteaching: 70, Set G; Topic 4: 229-234; Reteaching: 246, Set G; Topic 6: 371-376; Reteaching: 382, Set G</p> <p>TE: Topic 1: 53A-58; Reteaching: 70, Set G; Topic 4: 229A-234; Reteaching: 246, Set G; Topic 6: 371A-376; Reteaching: 382, Set G</p>

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o Add to/Take From- Result Unknown	SE: Topic 3: 165-170, 171-176; Reteaching: 182, Sets G-H; Topic 5: , 297-302; Reteaching: 314, Set G; Topic 7: 409-414; Reteaching: 430, Set C TE: Topic 3: 165A-170, 171A-176; Reteaching: 182, Sets G-H; Topic 5: , 297A-302; Reteaching: 314, Set G; Topic 7: 409A-414; Reteaching: 430, Set C
Add and subtract within 20.	
NC.2.OA.2 Demonstrate fluency with addition and subtraction, within 20, using mental strategies.	SE: Topic 1: 5-10, 11-16, 17-22, 23-28, 29-34, 35-40, 41-46, 47-52, 53-58, 59-64; Reteaching: 67-70, Sets A-H; Topic 2: 81-86, 87-92, 93-98, 99-104; Reteaching: 113-114, Sets A-C TE: Topic 1: 5A-10, 11A-16, 17A-22, 23A-28, 29A-34, 35A-40, 41A-46, 47A-52, 53A-58, 59A-64; Reteaching: 67-70, Sets A-H; Topic 2: 81A-86, 87A-92, 93A-98, 99A-104; Reteaching: 113-114, Sets A-C
Work with equal groups.	
NC.2.OA.3 Determine whether a group of objects, within 20, has an odd or even number of members by:	SE: Topic 2: 81-86, 87-92; Reteaching: 113, Set A TE: Topic 2: 81A-86, 87A-92; Reteaching: 113, Set A
• Pairing objects, then counting them by 2s.	SE: Topic 2: 87-92; Reteaching: 113, Set A TE: Topic 2: 87A-92; Reteaching: 113, Set A
• Determining whether objects can be placed into two equal groups.	SE: Topic 2: 81-86, 87-92; Reteaching: 113, Set A TE: Topic 2: 81A-86, 87A-92; Reteaching: 113, Set A
• Writing an equation to express an even number as a sum of two equal addends.	SE: Topic 2: 81-86, 87-92; Reteaching: 113, Set A TE: Topic 2: 81A-86, 87A-92; Reteaching: 113, Set A
NC.2.OA.4 Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.	SE: Topic 2: 93-98, 99-104, 105-110; Reteaching: 113-114, Sets B-D; Topic 15: 883-888, 901-906; Reteaching: 911, Sets E TE: Topic 2: 93A-98, 99A-104, 105A-110; Reteaching: 113-114, Sets B-D; Topic 15: 883A-888, 901A-906; Reteaching: 911, Set E

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Number and Operations in Base Ten	
Understand place value.	
NC.2.NBT.1 Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones.	SE: Topic 9: 517-522, 523-528, 529-534; Reteaching: 573-574, Sets B, C TE: Topic 9: 517A-522, 523A-528, 529A-534; Reteaching: 573-574, Sets B, C
• Unitize by making a hundred from a collection of ten tens.	SE: Topic 9: 511-516 TE: Topic 9: 511A-516
• Demonstrate that the numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds, with 0 tens and 0 ones.	SE: Topic 9: 511-516; Reteaching: 573, Set A TE: Topic 9: 511A-516; Reteaching: 573, Set A
• Compose and decompose numbers using various groupings of hundreds, tens, and ones.	SE: Topic 9: 517-522 523-528, 529-534, 535-546; Reteaching: 573-574, Set B-D TE: Topic 9: 517A-522 523A-528, 529A-534, 535A-546; Reteaching: 573-574, Set B-D
NC.2.NBT.2 Count within 1,000; skip-count by 5s, 10s, and 100s.	SE: Topic 8: 443-448, 449-454, 455-460, 473-478, 479-484, 485-490; Reteaching: 493-496, Sets A, B, D-F; Topic 9: 541-546, 547-552, 565-570; Reteaching: 575-576, Sets E, F, H TE: Topic 8: 443A-448, 449A-454, 455A-460, 473A-478, 479A-484, 485A-490; Reteaching: 493-496, Sets A, B, D-F; Topic 9: 541A-546, 547A-552, 565A-570; Reteaching: 575-576, Sets E, F, H
NC.2.NBT.3 Read and write numbers, within 1,000, using base-ten numerals, number names, and expanded form.	SE: Topic 9: 517-522, 523-528, 529-534, 535-540; Reteaching: 573-574, Sets B-D TE: Topic 9: 517A-522, 523A-528, 529A-534, 535A-540; Reteaching: 573-574, Sets B-D
NC.2.NBT.4 Compare two three-digit numbers based on the value of the hundreds, tens, and ones digits, using $>$, $=$, and $<$ symbols to record the results of comparisons.	SE: Topic 9: 553-558, 559-564, 565-570; Reteaching: 576, Sets G, H TE: Topic 9: 553A-558, 559A-564, 565A-570; Reteaching: 576, Sets G, H

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Use place value understanding and properties of operations.	
NC.2.NBT.5 Demonstrate fluency with addition and subtraction, within 100, by:	<p>SE: Topic 3: 123-128, 129-134, 135-140, 141-146, 147-152, 153-158, 159-164, 171-176; Reteaching: 179-182, Sets A-F, H; Topic 4: 193-198, 199-204, 205-210, 211-216, 223-228, 235-240; Reteaching: 243-246, Sets A-D, F, H; Topic 5: 255-260, 261-266, 267-272, 273-278, 279-284, 285-290, 291-296, 303-308; Reteaching: 311-314, Sets A-F, H; Topic 6: 323-328, 329-334, 335-340, 341-346, 347-352, 353-358, 359-364; Reteaching: 379-381, Sets A-F</p> <p>TE: Topic 3: 123A-128, 129A-134, 135A-140, 141A-146, 147A-152, 153A-158, 159A-164, 171A-176; Reteaching: 179-182, Sets A-F, H; Topic 4: 193A-198, 199A-204, 205A-210, 211A-216, 223A-228, 235A-240; Reteaching: 243-246, Sets A-D, F, H; Topic 5: 255A-260, 261A-266, 267A-272, 273A-278, 279A-284, 285A-290, 291A-296, 303A-308; Reteaching: 311-314, Sets A-F, H; Topic 6: 323A-328, 329A-334, 335A-340, 341A-346, 347A-352, 353A-358, 359A-364; Reteaching: 379-381, Sets A-F</p>
• Flexibly using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.	<p>SE: Topic 3: 123-128, 129-134, 135-140, 141-146, 147-152, 153-158, 159-164, 171-176; Reteaching: 179-182, Sets A-F, H; Topic 4: 193-198, 199-204, 205-210, 211-216, 217-222, 223-228, 229-234, 235-240; Reteaching: 243-246, Sets A-H; Topic 5: 255-260, 261-266, 267-272, 273-278, 279-284, 285-290, 291-296, 297-302, 303-308; Reteaching: 311-314, Sets A-H; Topic 6: 323-328, 329-334, 335-340, 341-346, 347-352, 353-358, 359-364; Reteaching: 379-381, Sets A-F</p> <p>TE: Topic 3: 123A-128, 129A-134, 135A-140, 141A-146, 147A-152, 153A-158, 159A-164, 171A-176; Reteaching: 179-182, Sets A-F, H; Topic 4: 193A-198, 199A-204, 205A-210, 211A-216, 217A-222, 223A-228, 229A-234, 235A-240; Reteaching: 243-246, Sets A-H; Topic 5: 255A-260, 261A-266, 267A-272, 273A-278, 279A-284, 285A-290, 291A-296, 297A-302, 303A-308; Reteaching: 311-314, Sets A-H; Topic 6: 323A-328, 329A-334, 335A-340, 341A-346, 347A-352, 353A-358, 359A-364; Reteaching: 379-381, Sets A-F</p>

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<ul style="list-style-type: none"> Comparing addition and subtraction strategies and explaining why they work. 	<p>SE: Topic 1: 35-40; Reteaching: 69, Set E; Topic 5: 273-278; Reteaching: 312, Set D; Topic 6: 353-358, 359-364; Reteaching: 381, Set F</p> <p>TE: Topic 1: 35A-40; Reteaching: 69, Set E; Topic 5: 273A-278; Reteaching: 312, Set D; Topic 6: 353A-358, 359A-364; Reteaching: 381, Set F</p>
<ul style="list-style-type: none"> Selecting an appropriate strategy in order to efficiently compute sums and differences. 	<p>SE: Topic 3: 141-146, 147-152, 159-164; Reteaching: 179-181, Sets A-F; Topic 4: 193-198, 199-204, 205-210, 223-228; Reteaching: 243-244, Sets A-C; Topic 5: 261-266, 273-278, 279-284, 285-290, 291-296, 297-302, 303-308; Reteaching: 311-314, Sets B-H; Topic 6: 359-364; Reteaching: 381, Set F</p> <p>TE: Topic 3: 141A-146, 147A-152, 159A-164; Reteaching: 179-181, Sets A-F; Topic 4: 193A-198, 199A-204, 205A-210, 223A-228; Reteaching: 243-244, Sets A-C; Topic 5: 261A-266, 273A-278, 279A-284, 285A-290, 291A-296, 297A-302, 303A-308; Reteaching: 311-314, Sets B-H; Topic 6: 359A-364; Reteaching: 381, Set F</p>
<p>NC.2.NBT.6 Add up to three two-digit numbers using strategies based on place value and properties of operations.</p>	<p>Topic 4: 217-222, 223-228, Reteaching: 245, Sets E, F</p> <p>Topic 4: 217A-222, 223A-228, Reteaching: 245 Sets E, F</p>
<p>NC.2.NBT.7 Add and subtract, within 1,000, relating the strategy to a written method, using:</p>	<p>SE: Topic 10: 591-596, 597-602, 603-608, 609-614, 615-620, 621-626; Reteaching: 629-630, Sets B-D; Topic 11: 643-648, 649-654, 655-660, 661-666, 667-672, 673-678; Reteaching: 681-682, Sets B-D</p> <p>TE: Topic 10: 591A-596, 597A-602, 603A-608, 609A-614, 615A-620, 621A-626; Reteaching: 629-630, Sets B-D; Topic 11: 643A-648, 649A-654, 655A-660, 661A-666, 667A-672, 673A-678; Reteaching: 681-682, Sets B-D</p>

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• Concrete models or drawings	<p>SE: Topic 10: 591-596, 609-614, 615-620; Reteaching: 629-630, Sets B-D; Topic 11: 643-648, 649-654, 661-666, 667-672; Reteaching: 681-682, Sets B, C</p> <p>TE: Topic 10: 591A-596, 609A-614, 615A-620; Reteaching: 629-630, Sets B-D; Topic 11: 643A-648, 649A-654, 661A-666, 667A-672; Reteaching: 681-682, Sets B, C</p>
• Strategies based on place value	<p>SE: Topic 10: 591-596, 597-602, 603-608, 609-614, 615-620, 621-626; Reteaching: 629-630, Sets B-D; Topic 11: 643-648, 649-654, 661-666, 667-672; Reteaching: 681-682, Sets B, C</p> <p>TE: Topic 10: 591A-596, 597A-602, 603A-608, 609A-614, 615A-620, 621A-626; Reteaching: 629-630, Sets B-D; Topic 11: 643A-648, 649A-654, 661A-666, 667A-672; Reteaching: 681-682, Sets B, C</p>
• Properties of operations	<p>For related content, please see: SE: Topic 10: 597-602, 615-620; Topic 11: 667-672</p> <p>TE: Topic 10: 597A-602, 615A-620; Topic 11: 667A-672</p>
• Relationship between addition and subtraction	<p>SE: Topic 11: 649-654, 667-672; Reteaching: 681, Set B</p> <p>TE: Topic 11: 649A-654, 667A-672; Reteaching: 681, Set B</p>
NC.2.NBT.8 Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.	<p>SE: Topic 9: 541-546, 565-570; Reteaching: 575-576, Sets E-H; Topic 10: 585-590; Reteaching: 629, Set A; Topic 11: 637-642</p> <p>TE: Topic 9: 541A-546, 565A-570; Reteaching: 575-576, Sets E-H; Topic 10: 585A-590; Reteaching: 629, Set A; Topic 11: 637A-642</p>

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Measurement and Data	
Measure and estimate lengths.	
NC.2.MD.1 Measure the length of an object in standard units by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.	SE: Topic 12: 699-704, 705-710, 711-716, 717-722, 723-728, 729-734, 741-746; Reteaching: 749-752, Sets B-H; Topic 14: 803-808, 809-814; Reteaching: 841, Set A TE: Topic 12: 699A-704, 705A-710, 711A-716, 717A-722, 723A-728, 729A-734, 741A-746; Reteaching: 749-752, Sets B-H; Topic 14: 803A-808, 809A-814; Reteaching: 841, Set A
NC.2.MD.2 Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.	SE: Topic 12: 711-716, 729-734; Reteaching: 750-752, Sets C, F, H TE: Topic 12: 711A-716, 729A-734; Reteaching: 750-752, Sets C, F, H
NC.2.MD.3 Estimate lengths in using standard units of inches, feet, yards, centimeters, and meters.	SE: Topic 12: 693-698, 699-704, 705-710, 717-722, 723-728, 741-746; Reteaching: 749-752, Sets A-E, H TE: Topic 12: 693A-698, 699A-704, 705A-710, 717A-722, 723A-728, 741A-746; Reteaching: 749-752, Sets A-E, H
NC.2.MD.4 Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.	SE: Topic 12: 735-740; Reteaching: 752, Set G TE: Topic 12: 735A-740; Reteaching: 752, Set G
Relate addition and subtraction to length.	
NC.2.MD.5 Use addition and subtraction, within 100, to solve word problems involving lengths that are given in the same units, using equations with a symbol for the unknown number to represent the problem.	SE: Topic 12: 735-740; Reteaching: 752, Set G; Topic 13: 761-766, 767-772, 773-778, 785-790; Reteaching: 793-794, Sets A, B, D TE: Topic 12: 735A-740; Reteaching: 752, Set G; Topic 13: 761A-766, 767A-772, 773A-778, 785A-790; Reteaching: 793-794, Sets A, B, D
NC.2.MD.6 Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points and represent whole-number sums and differences, within 100, on a number line.	SE: Topic 13: 779-784, 785-790; Reteaching: 794, Sets C, D TE: Topic 13: 779A-784, 785A-790; Reteaching: 794, Sets C, D

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Build understanding of time and money.	
NC.2.MD.7 Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	SE: Topic 8: 473-478, 479-484, 485-490; Reteaching: 495-496, Sets D-F TE: Topic 8: 473A-478, 479A-484, 485A-490; Reteaching: 495-496, Sets D-F
NC.2.MD.8 Solve word problems involving:	SE: Topic 8: 443-448, 449-454, 455-460, 461-466, 467-472; Reteaching: 493-495, Sets A-C TE: Topic 8: 443A-448, 449A-454, 455A-460, 461A-466, 467A-472; Reteaching: 493-495, Sets A-C
• Quarters, dimes, nickels, and pennies within 99¢, using ¢ symbols appropriately.	SE: Topic 8: 443-448, 449-454, 467-472; Reteaching: 493-495, Sets A, C TE: Topic 8: 443A-448, 449A-454, 467A-472; Reteaching: 493-495, Sets A, C
• Whole dollar amounts, using the \$ symbol appropriately.	SE: Topic 8: 455-460, 461-466, 467-472 TE: Topic 8: 455A-460, 461A-466, 467A-472
Represent and interpret data.	
NC.2.MD.10 Organize, represent, and interpret data with up to four categories.	SE: Topic 14: 815-820, 821-826, 827-832, 833-838; Reteaching: 842-844, Sets B-D TE: Topic 14: 815A-820, 821A-826, 827A-832, 833A-838; Reteaching: 842-844, Sets B-D
• Draw a picture graph and a bar graph with a single-unit scale to represent a data set.	SE: Topic 14: 815-820, 821-826, 833-838; Reteaching: 842-844, Sets B, C TE: Topic 14: 815A-820, 821A-826, 833A-838; Reteaching: 842-844, Sets B, C
• Solve simple put-together, take-apart, and compare problems using information presented in a picture and a bar graph.	SE: Topic 14: 815-820, 821-826, 827-832, 833-838; Reteaching: 842-844, Sets B-D TE: Topic 14: 815A-820, 821A-826, 827A-832, 833A-838; Reteaching: 842-844, Sets B-D

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Geometry	
Reason with shapes and their attributes.	
NC.2.G.1 Recognize and draw triangles, quadrilaterals, pentagons, and hexagons, having specified attributes; recognize and describe attributes of rectangular prisms and cubes.	SE: Topic 15: 859-864, 865-870, 871-876, 877-882 TE: Topic 15: 859A-864, 865A-870, 871A-876, 877A-882
NC.2.G.3 Partition circles and rectangles into two, three, or four equal shares.	SE: Topic 15: 889-894, 895-900, 901-906; Reteaching: 911-912, Sets F-H TE: Topic 15: 889A-894, 895A-900, 901A-906; Reteaching: 911-912, Sets F-H
• Describe the shares using the words halves, thirds, half of, a third of, fourths, fourth of, quarter of.	SE: Topic 15: 889-894, 895-900; Reteaching: 911, Set F TE: Topic 15: 889A-894, 895A-900; Reteaching: 911, Set F
• Describe the whole as two halves, three thirds, four fourths.	SE: Topic 15: 895-900 TE: Topic 15: 895A-900
• Explain that equal shares of identical wholes need not have the same shape.	SE: Topic 15: 895-900, 901-906; Reteaching: 912, Sets G, H TE: Topic 15: 895A-900, 901A-906; Reteaching: 912, Sets G, H

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