



Math Connects

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STANDARDS	PAGE REFERENCES
<p>1. Place Value</p>	
<p>A. Solve problems involving 1 MORE/LESS or 10 MORE/LESS using 2-digit numbers.</p>	<p>Student Edition: <i>Check What You Know</i> 18 #3; 19 #14 <i>Example 1</i> 17 <i>Get Ready to Learn</i> 17 Numbers other than 1 and 10 also are used in additional problems on the following pages. 18, 19 Teacher Edition: ATS 18; T 17</p>
<p>B. Identify alternative forms of expressing 3-digit whole numbers using expanded notation.</p>	<p>The following page references cover this concept using larger numbers. Student Edition: 25, 26, 27, 28 <i>Chapter Test</i> 63 #8, #9 <i>Extra Practice</i> R2, R3 <i>Mid-Chapter Check</i> 31 #12, #13 <i>Study Guide and Review</i> 58 #14, #15, #22, #23 <i>Test Practice</i> 64, 65 #7 Teacher Edition: AE 25, 29, 97</p>

STANDARDS	PAGE REFERENCES
<p>C. Identify alternative forms of expressing 2-digit whole numbers using regrouping.</p>	<p>The following page references cover this concept using larger numbers.</p> <p>Student Edition: 78, 92, 96, 112 <i>Mid-Chapter Check</i> 81 #12-#15 <i>Study Guide and Review</i> 102 #21</p> <p>Teacher Edition: BMV 78A; I 78, SGO 78B, T 78</p>
<p>D. Use place value concepts to identify and compare the magnitude and value of digits in 2- and 3-digit numbers.</p>	<p>The following page references cover this concept using larger numbers.</p> <p>Student Edition: 24-26, 35 <i>Are You Ready?</i> 16 <i>Chapter Test</i> 63 #5, #6 <i>Extra Practice</i> R2 <i>Mid-Chapter Check</i> 31 #4, #5 <i>Test Practice</i> 65 #9</p> <p>Teacher Edition: A 30; AE 25; T 24</p> <p>Chapter Resource Masters: Reteach (1-4) 23; Skills Practice (1-4) 24</p>
<p>2. Pictorial Representation of Numbers</p>	
<p>A. Relate whole numbers to pictorial representations of base ten blocks and vice versa.</p>	<p>Student Edition: 4, 24 <i>Explore</i> 22-23, 90-91</p> <p>Teacher Edition: IWO 24B; T 22</p> <p>Chapter Resource Masters: Reteach (1-3) 18, (2-7) 38</p>
<p>B. Identify fractional parts of regions and sets using pictures and vice versa.</p>	<p>Student Edition: 561-567 <i>Are Your Ready?</i> 558 <i>Chapter Test</i> 595 #5, #9 <i>Extra Practice</i> R35, R37 <i>Study Guide and Review</i> 591 <i>Test Practice</i> 596 #1, 597 #10</p> <p>Teacher Edition: I 561</p>

STANDARDS	PAGE REFERENCES
C. Label and/or shade fractional parts of regions and sets.	<p>Student Edition: 562, 563, 566, 567 <i>Chapter Test</i> 595 #5, #9 <i>Extra Practice</i> R35, R37 <i>Study Guide and Review</i> 591 <i>Test Practice</i> 596 #1, 597 #10</p> <p>Teacher Edition: AE 562; I 564; IWO 561B, T 561</p> <p>Chapter Resource Masters: English Language Learners (5) 19; Reteach (13-1) 8, (13-2) 13; Skills Practice (13-1) 9, (13-2) 14</p>
3. Equivalent Fractions, Decimals and Percents	
Not tested	
4. Order, Magnitude and Rounding of Numbers	
A. Order 2- and 3-digit whole numbers.	<p>The following page references cover this concept using larger numbers.</p> <p>Student Edition: 5, 38, 39, 40 <i>Chapter Test</i> 63 #14, #15 <i>Extra Practice</i> R4 <i>Study Guide and Review</i> 60</p> <p>Teacher Edition: AE 39; T 38</p>
B. Describe magnitude of 2- and 3-digit whole numbers.	<p>The following page references cover this concept using larger numbers.</p> <p>Student Edition: 24-26, 34, 35, 38, 39</p> <p>Teacher Edition: T 24</p>
C. Round 2-digit whole numbers in context.	<p>The following page references cover this concept using larger numbers.</p> <p>Student Edition: 44, 45, 46 #31-#32 <i>Extra Practice</i> R4 <i>Study Guide and Review</i> 61</p> <p>Teacher Edition: AE 45</p> <p>Chapter Resource Masters: Problem Solving (1-8) 46</p>

STANDARDS	PAGE REFERENCES
<p>D. Identify points representing 2- and 3-digit whole numbers on a number line and vice versa.</p>	<p>Student Edition: 34 #1, 38 #1, 492, 493 <i>Chapter Test</i> 507 #8-#10 <i>Extra Practice</i> R31 <i>Study Guide and Review</i> 60 #6, 61 #8, 505</p> <p>Teacher Edition: A 493; IWO 492B; RMV 38A; T 492</p> <p>Chapter Resource Masters: Enrich (1-6) 37; Problem Solving (11-8) 46; Reteach (11-8) 43; Skills Practice (11-8) 44</p>
<p>5. Models for Operations</p>	
<p>A. Relate multiplication and division facts to rectangular arrays and pictures.</p>	<p>Student Edition: 159-164, 258-260 <i>Explore</i> 295-296 <i>Extend</i> 165 <i>Extra Practice</i> R17 <i>Mid-Chapter Check</i> 167 #1, #2, #6, #9, #10 <i>Study Guide and Review</i> 191 #6, #7 <i>Test Practice</i> 196 #5, 197 #11, 290 #2, 292 #9</p> <p>Teacher Edition: A 261; AE 259; I 159; SGO 159B, 258B; T 159, 258</p> <p>Chapter Resource Masters: English Language Learners (20) 73; Homework Practice (4-1) 10; Problem-Solving (4-2) 16</p>
<p>B. Identify the appropriate operation or number sentence to solve a story problem.</p>	<p>Student Edition: 142-143, 262-263 <i>Chapter Test</i> 151 #3, #4, #13, #14 <i>Mid-Chapter Check</i> 269 #14, #15 <i>Study Guide and Review</i> 150, 286 #17-#19 <i>Test Practice</i> 153</p> <p>Teacher Edition: I 142, IWO 262B; T 142, 262</p> <p>Chapter Resource Masters: Reteach (6-3) 18-19, (3-9) 38; Skills Practice (6-3) 20, (3-9) 49</p>

STANDARDS	PAGE REFERENCES
C. Write story problems from addition or subtraction number sentences.	<p>Student Edition: 113 #28, 117 #28, 136 #26, 143 #10</p> <p>Teacher Edition: IWO 88B, 96B, 124B, 382B; W 66G; WM 87, 123</p>
6. Basic Facts	
A. Add and subtract facts to 18.	<p>Student Edition: <i>Are You Ready?</i> 68 #1-#8, 110#1-#8 <i>Facts Practice</i> R42-R45</p> <p>Teacher Edition: I69; IWO 111B; SGO 69B</p>
B. Multiply and divide by 2, 5 and 10.	<p>Student Edition: 162-164, 174-176, 178-180, 264-266, 270-273, 278-280 <i>Chapter Test</i> 195, 289 <i>Extra Practice</i> R11, R12 <i>Mid-Chapter Check</i> 167 #3, #4, #12-#16 <i>Study Guide and Review</i> 191, 193, 286-288 <i>Test Practice</i> 196 #1, 291 #11</p> <p>Teacher Edition: AE 163, 175, 179; ATS 163, 175, 179; IWO 174B</p> <p>Chapter Resource Masters: <i>Homework Practice</i> (4-2) 15, (4-5) 30, (4-6) 35, (6-4) 25, (6-5) 30, (6-7) 40; <i>Problem-Solving</i> (4-2) 16, (4-5) 31, (4-6) 36, (6-4) 26, (6-5) 31, (6-7) 41; <i>Reteach</i> (4-2) 13, (4-5) 28, (4-6) 33, (6-4) 23, (6-5) 28, (6-7) 38; <i>Skills Practice</i> (4-2) 14, (4-5) 29, (4-6) 34, (6-4) 24, (6-5) 29, (6-7) 39</p>
7. Computation with Whole Numbers and Decimals	
A. Add and subtract 1- and 2-digit whole numbers without regrouping.	<p>The following page references cover this concept using larger numbers.</p> <p>Student Edition: 79, 97 #2, 111 <i>Extra Practice</i> R6, R8 <i>Mid-Chapter Check</i> 81 #13 <i>Study Guide and Review</i> 145 #6, #7, #10</p> <p>Teacher Edition: AE 79</p> <p>Chapter Resource Masters: <i>Reteach</i> (2-4) 23, (3-1) 8</p>

STANDARDS	PAGE REFERENCES
<p>B. Add 1- and 2-digit whole numbers with regrouping.</p>	<p>The following page references cover the same concept using larger numbers.</p> <p>Student Edition: 78, 112 <i>Extra Practice</i> R6, R8 <i>Mid-Chapter Review</i> 81 313 <i>Study Guide and Review</i> 102 #20, 145 #8, #9, #11, #12</p> <p>Teacher Edition: A 80; ATS 79; I 111</p> <p>Chapter Resource Masters: Reteach (3-1) 8</p>
8. Computation with Fractions and Integers	
Not tested	
9. Solve Word Problems	
<p>A. Solve simple story problems involving addition (with/without regrouping) or subtraction (without regrouping).</p>	<p>Student Edition: 71 #20, 79 #5, 80 #19, #20, 89 #8, 93 #7, 94 #25, #26, 98 #28, 99 #28, 111, 113 #22, 118, 143 #2, #2, #7, #8 <i>Are You Ready</i> 110 #9, #10 <i>Chapter Test</i> 105 #6, #14 151 #3, #4, #13 <i>Mid-Chapter Check</i> 81 #7, #16 121 #5, #19 <i>Study Guide and Review</i> 102 #22, #23, 103 #28, #29, 104 #36, #37, 145 #10 <i>Test Practice</i> 106 #1, 107 #12</p> <p>Teacher Edition: AE 79, 83, 93, 97, 112 #1, 119 #1</p> <p>Chapter Resource Masters: Problem-Solving (2-4) 26, (2-5) 31, (2-7) 41, (2-8) 46</p>
<p>B. Solve simple story problems involving addition (with/without regrouping) or subtraction (without regrouping) with extraneous information.</p>	<p>Student Edition: 86-87, 111, 122-123, 143 #7, 182-183</p> <p>Teacher Edition: RWM 87, 123; USP 86, 122</p>

STANDARDS	PAGE REFERENCES
10. Numerical Estimation Strategies	
A. Identify the best expression to find an estimate.	<p>Student Edition: 74-76, 114-116 <i>Chapter Test</i> 105 #4, #5 151 #5, #6 <i>Extra Practice</i> R6, R8 <i>Study Guide and Review</i> 102 #13-#18, 145 #13-#17</p> <p>Teacher Edition: T 114</p> <p>Chapter Resource Masters: Reteach (2-3) 18, (3-2) 13</p>
11. Estimating Solutions to Problems	
A. Identify a reasonable estimate to a problem.	<p>Student Edition: <i>Chapter Test</i> 105 #13, #14 <i>Extra Practice</i> R6, R8 <i>Test Practice</i> 107 #9, 153 #11</p> <p>Teacher Edition: AE 75, 115; IWO 74B</p> <p>Chapter Resource Masters: Problem-Solving (2-7) 41, (3-2) 16</p>
12. Ratios and Proportions	
Not tested	
13. Computation with Percents	
Not tested	
14. Time	
A. Tell time to the nearest hour, half-hour and quarter-hour using analog and digital clocks.	<p>Student Edition: 454, 455 #1-#12 <i>Extra Practice</i> R29 <i>Study Guide and Review</i> 460 #30-#35 <i>Test Practice</i> 463 #7</p> <p>Teacher Edition: A 455; ATS 455; IWO 454B; SGO 454B; T 454</p>

STANDARDS	PAGE REFERENCES
<p>B. Solve problems involving time, elapsed time (15-minute increments) and calendars.</p>	<p>Student Edition: 455 <i>Chapter Test</i> 461 #11 <i>Study Guide and Review</i> 458 #17 <i>Test Practice</i> 462 #5</p> <p>Teacher Edition: A 455</p> <p>Chapter Resource Masters: Problem-Solving (10-8) 46; Skills Practice (10-8) 44</p>
<p>15. Approximating Measures</p>	
<p>A. Estimate lengths and areas by comparing.</p>	<p>Student Edition: 375-377, 378, 379 #3 <i>Explore</i> 373-374, 396-397 <i>Extra Practice</i> R24 <i>Real-World Example</i> 375, 376, 378, 379</p> <p>Teacher Edition: A 370I; IC 370</p> <p>Chapter Resource Masters: Problem-Solving (9-1) 11; English Language Learners (39) 147</p>
<p>16. Customary and Metric Measures</p>	
<p>A. Measure lengths to the nearest inch or centimeter.</p>	<p>The following page references also measure lengths to the nearest half-inch.</p> <p>Student Edition: <i>Chapter Test</i> 417 #3, #4 <i>Explore</i> 373-374, 384-385 <i>Mid-Chapter Check</i> 391 #1, #2 <i>Study Guide and Review</i> 413 #6, #7 <i>Test Practice</i> 418 #2, 419 #12</p> <p>Teacher Edition: AE 376; W 370I</p> <p>Chapter Resource Masters: Skills Practice (9-1) 9</p>

STANDARDS	PAGE REFERENCES
B. Draw lengths to the nearest inch or centimeter.	<p>The following page references measure lengths to the nearest half-inch.</p> <p>Student Edition: 377 #15</p> <p>Teacher Edition: A 370I; IWO 375B</p>
C. Identify appropriate customary or metric units of measure for a given situation (inches, feet, centimeters and meters).	<p>Student Edition: 378-381, 388 <i>Chapter Test</i> 417 #5-#9, #15 <i>Extra Practice</i> R24, R25 <i>Mid-Chapter Check</i> 391 #3-#7, #10-#15 <i>Study Guide and Review</i> 413 #8-#12, 414 #15-#17 <i>Test Practice</i> 418 #1, #4</p> <p>Teacher Edition: A 389; AE 379, 387; ATS 380, 388; IWO 378B; T 378, 386</p> <p>Chapter Resource Masters: English Language Learners (40) 149</p>
17. Geometric Shapes and Properties	
A. Identify and recognize 2-dimensional geometric shapes and figures, including number of angles and sides of polygons.	<p>Student Edition: 472-475 <i>Chapter Test</i> 507 #3, #4 <i>Mid-Chapter Check</i> 483 #5, #6 <i>Study Guide and Review</i> 501 #13-#19 <i>Test Practice</i> 508 #1, #3</p> <p>Teacher Edition: AE 473; ATS 473; SGO 472B; T 472; TOD 475</p> <p>Chapter Resource Masters: English Language Learners (50) 183; Reteach (11-2) 13; Skills Practice (11-2) 14</p>
B. Draw 2-dimensional geometric shapes and figures.	<p>Student Edition: <i>Are You Ready</i> 466 #11</p> <p>Teacher Edition: A 464B; ATS 472; ELL 472B; IWO 476B; TOD 475; W 464G</p>
18. Spatial Relationships	
Not tested	

STANDARDS	PAGE REFERENCES
19. Tables, Graphs and Charts	
<p>A. Identify correct information from tables, bar graphs, pictographs and charts.</p>	<p>Student Edition: 516 #6-#9, 517 #10-#13, 519 #1-#3, 520 #6-#12, 529 #3-#5, 530 #8-#15, 534 #5-#12 <i>Are You Ready?</i> 512 #1-#4 <i>Chapter Test</i> 533 #4, #10 <i>Extra Practice</i> R32, R33 <i>Mid-Chapter Check</i> 525 #4, #5, #7 <i>Study Guide and Review</i> 549 #9, #10, 551 #15, #16 <i>Test Practice</i> 554 #1, 555 #8</p> <p>Teacher Edition: AE 519; DR 522A; T 518</p> <p>Chapter Resource Masters: Homework Practice (12-2) 15, (12-4) 25, (12-5) 30; Problem-Solving (12-2) 16, (12-4) 26, (12-5) 31; Reteach (12-1) 8, (12-4) 23; Skills Practice (12-1) 9, (12-4) 24</p>
<p>B. Create bar graphs and pictographs from data in tables and charts.</p>	<p>Student Edition: 516 #1, #4, #5, 517 #16, #17, 529 #1, #2, 530 #6, #7, #16, 535 #21, 544 #13, #14 <i>Chapter Test</i> 553 #3 <i>Explore</i> 513-514, 526-527 <i>Extra Practice</i> R32, R33 <i>Mid-Chapter Check</i> 525 #1, #2, #7 <i>Study Guide and Review</i> 549 #7, 550 #13, #14</p> <p>Teacher Edition: AE 516, 529; DR 518A; IWO 528B; SGO 518B; T 515, 528</p>
20. Statistics and Data Analysis	
Not tested	

STANDARDS	PAGE REFERENCES
21. Probability	
<p>A. Identify correct solutions to problems involving elementary notions of probability.</p>	<p>Student Edition: 542-544 <i>Chapter Test</i> 553 #6-#9 <i>Study Guide and Review</i> 552 #21-#24 <i>Test Practice</i> 554 #4, 555 #9, #10</p> <p>Teacher Edition: AE 543, SGO 542B, T 542</p> <p>Chapter Resource Masters: <i>Homework Practice</i> (12-7) 40; <i>Problem-Solving</i> (12-7) 41; <i>Reteach</i> (12-7) 38; <i>Skills Practice</i> (12-7) 39</p>
22. Patterns	
<p>A. Extend or complete patterns, or identify rules using numbers and attributes.</p>	<p>Student Edition: 17-19, 212-213, 478-481 <i>Are You Ready?</i> 16 #13-#17 <i>Mid-Chapter Check</i> 31 #1, #2, 483 #7, #10 <i>Study Guide and Review</i> 57 #7-#10, 503 #25-#28</p> <p>Teacher Edition: A 481; AE 18, 479; ATS 479; T 17, 212, 478</p> <p>Chapter Resource Masters: <i>Homework Practice</i> (11-4) 25; <i>Skills Practice</i> (1-1) 9, (11-4) 24</p>
<p>B. Extend or complete patterns and state rules using numbers and attributes.</p>	<p>Student Edition: 17-19, 478-481</p> <p>Teacher Edition: 117; NM 481; T 478</p>
23. Algebraic Concepts	
Not tested	
24. Classification and Logical Reasoning	
<p>A. Identify objects that are the same or different by one attribute.</p>	<p>Student Edition: 475 #34, 484-485 <i>Study Guide and Review</i> 503 #29, #30</p> <p>Teacher Edition: T 484</p>

STANDARDS	PAGE REFERENCES
B. Sort objects into 2 groups by a common attribute.	Student Edition: 473 <i>Are You Ready?</i> 466 Teacher Edition: T 472 Chapter Resource Masters: Reteach (11-2) 13
25. Mathematical Applications	
A. Solve extended numerical and statistical problems.	Student Edition: 185, 229, 277, 355, 383, 403, 437, 487, 547, 569, 623, 649 Teacher Edition: ATS 383, 437, 487, 649