



Math Connects

Concepts, Skills, and Problem Solving

Course **3**

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STANDARDS

PAGE REFERENCES

Standard 1:

Students develop number sense and use numbers and number relationships in problem-solving situations and communicate the reasoning used in solving these problems.

Grades 5-8

1. demonstrate meanings for integers, rational numbers, percents, exponents, square roots, and pi (π) use physical materials and technology in problem-solving situations;

Student Edition:

41-45, 42 Example 2, 3, 46-49, 51-56, 84, 91-93, 126-129, 144-147, 148-151, 252-255, 256-259, 352-357

Algebra Lab 40

Check Your Understanding 44 #1-#10, 48 #1-#12, 54 #1-#16, 87 #1-#13, 128 #1-#8, 146 #1-#6, 254 #1-#9

H.O.T. Problems 95 #39, 147 #39-#42

Mid-Chapter Quiz 50 #9-#18

Mini Lab 46, 144, 352

Practice Test 79 #6-#8, 139 #6-#9, #14-#20, 299 #1-#8

STANDARDS	PAGE REFERENCES
<p>Continued from cell above...</p> <p>1. demonstrate meanings for integers, rational numbers, percents, exponents, square roots, and pi (π) use physical materials and technology in problem-solving situations;</p>	<p>Continued from cell above...</p> <p>Student Edition: <i>Real-World Example</i> 43, 54, 92 <i>Real-World Link</i> 82 <i>Study Tip</i> 42, 52, 127, 256 <i>Test Practice</i> 140 #4, 141 #10, 301 #10</p> <p>Teacher Edition: A 40, 49, 56, 89, 95, 107, 129, 255; AE 42, 43, 47, 52, 53, 92, 93, 127, 145, 149, 253, 258, 353; F 40, 84; FMC 42, 47, 52, 85, 92, 127, 145, 253, 353; T 40, 41, 46, 51, 84, 126, 148, 256, 352; TNT 43, 56, 107, 127, 134, 145, 353</p>
<p>2. read, write, and order integers, rational numbers, and common irrational numbers such as $\sqrt{2}$, $\sqrt{5}$, and π;</p>	<p>Student Edition: 91-95, 95 #10-#29, 157, 158 #23-#28, 159 #32-#35, 256-261, 260 #46-#56 <i>Check Your Understanding</i> 93 #1-#9, 158 #7-#9, 258 #11-#12 <i>H.O.T. Problems</i> 261 #64 <i>Mid-Chapter Review</i> 160 #27-#30 <i>Practice Test</i> 183 #4 <i>Real-World Example</i> 92, 258 <i>Study Guide and Review</i> 296 #25</p> <p>Teacher Edition: AE 157, 258; T 155; TNT 258</p>
<p>3. apply number theory concepts (for example, primes, factors, multiples) to represent numbers in various ways;</p>	<p>Student Edition: 6-7, 126-129 <i>Check Your Understanding</i> 7 #1-#6, #7-#10, 128 #1-#9 <i>Study Tip</i> 127</p> <p>Teacher Edition: A 7, 129; AE 127; F 7; FMC 127; P 7; T 7, 126; TNT 127</p>

STANDARDS	PAGE REFERENCES
<p>4. use the relationships among fractions, decimals, and percents, include the concepts of ratio and proportion, in problem-solving situations;</p>	<p>Student Edition: 84-89, 252-255, 254 #29-#31, 258-261, 263-267, 274 #1-#4, #6-#9, #12-#15, 680 #1-#32 <i>Check Your Understanding</i> 87 #1-#13, 254 #1-#9, 258 #1-#12 <i>Mini Lab</i> 263 #1-#3 <i>Practice Test</i> 139 #1-#3, 299 #1-#3, #5-#7 <i>Real-World Example</i> 86, 253, 258, 265 <i>Study Guide and Review</i> 135 #11-#16, 296 #11-#24 <i>Study Tip</i> 85, 86, 252, 253, 265</p> <p>Teacher Edition: A 89, 267; AE 85, 86, 253, 264, 265; FMC 85, 264; T 84, 252, 263; TNT 85, 86, 88, 254, 266</p>
<p>5. develop, test, and explain conjectures about properties of integers and rational numbers; and</p>	<p>Student Edition: 29-34, 31 Example 4, 32 #25-#32, 43-45, 65-69, 70-73 <i>Check Your Understanding</i> 32 #8-#9, 44 #1-#10, 68 #1-#7, 72 #1-#7 <i>H.O.T. Problems</i> 45 #40-#41 <i>Mini Lab</i> 65 <i>Real-World Example</i> 43</p> <p>Teacher Edition: A 34, 45, 69, 73; AE 31, 42, 43, 66, 67, 71; FMC 66; T 65, 70; TNT 43, 67, 73</p>
<p>6. use number sense to estimate and justify the reasonableness of solutions to problems involving integers, rational numbers, and common irrational numbers such as $\sqrt{2}$, $\sqrt{5}$, and π.</p>	<p>Student Edition: 148-151, 275-278, 352 <i>Check Your Understanding</i> 150 #1-#7, 277 #1-#7 <i>Mini Lab</i> 148, 352 <i>Practice Test</i> 299 #14-#15 <i>Real-World Example</i> 149, 276 <i>Study Guide and Review</i> 297 #37-#41 <i>Study Tip</i> 276</p> <p>Teacher Edition: A 151; AE 149, 276; FMC 149; T 148, 275, 352; TNT 150, 276</p>

STANDARDS	PAGE REFERENCES
<p>Standard 2: Students use algebraic methods to explore, model, and describe patterns and functions involving numbers, shapes, data, and graphs in problem-solving situations and communicate the reasoning used in solving these problems.</p>	
<p>1. represent, describe, and analyze patterns and relationships using tables, graphs, verbal rules, and standard algebraic notation;</p>	<p>Student Edition: 464-468, 481-486, 510-515 <i>Check Your Understanding</i> 468 #1-#9, 484 #1-#8, 512 #1-#5 <i>Graphing Calculator Lab</i> 516-517 <i>Mini Lab</i> 464, 510 <i>Real-World Example</i> 465, 481</p> <p>Teacher Edition: A 468, 486, 516; AE 465, 466, 482, 483, 511, 512; F 516; FMC 482, 511; T 464, 481, 510, 516; TNT 483, 511</p>
<p>2. describe patterns using variables, expressions, equations, and inequalities in problem-solving situations;</p>	<p>Student Edition: 441-444, 550-554, 555 <i>Check Your Understanding</i> 443 #1-#9, 552 #1-#10, 557 #1-#7 <i>Mini Lab</i> 316 <i>Problem-Solving Investigation</i> 124-125 <i>Real-World Example</i> 552, 556 <i>Study Tip</i> 442, 556</p> <p>Teacher Edition: A 125, 444, 554, 558; AE 124, 442, 443, 551, 552, 556; F 124; FMC 442, 551, 556; P 125; T 124, 316, 550, 555; TNT 550, 555</p>
<p>3. analyze functional relationships to explain how a change in one quantity results in a change in another (for example, how the area of a circle changes as the radius increases, or how a person’s height changes over time);</p>	<p>Student Edition: 487-492, 495-499, 497 #22-#24, #25-#27, 498 #32-#35 <i>Check Your Understanding</i> 490 #1-#3, 497 #1-#9 <i>Mid-Chapter Quiz</i> 494 #17-#18 <i>Real-World Example</i> 488 <i>Study Tip</i> 488, 489, 496</p> <p>Teacher Edition: A 492; AE 488, 489, 496; FMC 489; T 487, 495; TNT 487, 497</p>

STANDARDS	PAGE REFERENCES
<p>4. distinguish between linear and nonlinear functions through informal investigations; and</p>	<p>Student Edition: 528-533, 531 #8-#13, #14-#19, #20-#25 <i>Check Your Understanding</i> 530 #1-#7 <i>Real-World Example</i> 530 <i>Study Tip</i> 529</p> <p>Teacher Edition: A 533; AE 529, 530; FMC 528; LLR 528b; T 528; TNT 530</p>
<p>5. solve simple linear equations in problem-solving situations using a variety of methods (informal, formal, graphical) and a variety of tools (physical materials, calculators, computers).</p>	<p>Student Edition: 422-426, 425 #24-#25, #32-#33, #40-#42, 429 #10-#14, 430 #16-#21 <i>Algebra Lab</i> 432-433 <i>Check Your Understanding</i> 424 #7, #11, 429 #4-#5 <i>Graphing Calculator Lab</i> 500-501 <i>Real-World Example</i> 428</p> <p>Teacher Edition: A 426, 433, 500; F 432, 500; T 422, 432, 500; TNT 429</p>
<p>Standard 3: Students use data collection and analysis, statistics, and probability in problem-solving situations and communicate the reasoning used in solving these problems.</p>	
<p>1. read and construct displays of data using appropriate techniques (for example, line graphs, circle graphs, scatter plots, box plots, stem-and-leaf plots) and appropriate technology;</p>	<p>Student Edition: 14-15, 510-515, 576-580, 582-588, 605-610, 612-616 <i>Check Your Understanding</i> 512 #1-#5, 578 #1-#4, 585 #1-#4, 607 #1-#5, 614 #1-#7 <i>Concepts and Skills Bank</i> 749-750 <i>Graphing Calculator Lab</i> 516-517, 581, 611 <i>H.O.T. Problems</i> 514 #25-#27, 609 #24-#25 <i>Mini Lab</i> 510 <i>Spreadsheet Lab</i> 589-590 <i>Study Tip</i> 584</p> <p>Teacher Edition: A 15, 517, 580, 581, 588, 590, 611; AE 511, 512, 577, 578, 584, 606, 607, 614; F 14, 516, 581, 611; FMC 511, 577, 614; P 15; T 14, 510, 516, 576, 581, 589, 611; TNT 511, 512, 576, 584</p>

STANDARDS	PAGE REFERENCES
<p>2. display and use measures of central tendency, such as mean, median, and mode, and measures of variability, such as range and quartiles;</p>	<p>Student Edition: 591-596, 599-604 <i>Check Your Understanding</i> 594 #1-#4, 601 #1-#5 <i>H.O.T. Problems</i> 604 #35-#36 <i>Real-World Example</i> 592 <i>Spreadsheet Lab</i> 597</p> <p>Teacher Edition: A 596, 597, 604; AE 592, 593, 600, 601; F 597; FMC 592, 600; T 591, 597, 599; TNT 599</p>
<p>3. evaluate arguments that are based on statistical claims;</p>	<p>Student Edition: 591-596 <i>Check Your Understanding</i> 594 #1-#4 <i>Concepts and Skills Bank</i> 752-753 <i>H.O.T. Problems</i> 595 #17-#18 <i>Real-World Example</i> 592 <i>Study Tip</i> 592</p> <p>Teacher Edition: A 596; AE 592, 593; FMC 592; T 591; TNT 595</p>
<p>4. formulate hypotheses, draw conclusions, and make convincing arguments based on data analysis;</p>	<p>Student Edition: 577 Example 2, Example 3, 579 #13, #20, 584 Example 3, 587 #16-#18 <i>Check Your Understanding</i> 578 #3, 585 #3-#4 <i>H.O.T. Problems</i> 580 #22, 587 #19, #21</p> <p>Teacher Edition: A 580, 588; AE 584; T 576; TNT 576</p>
<p>5. determine probabilities through experiments or simulations;</p>	<p>Student Edition: 632-636, 637-642 <i>Check Your Understanding</i> 634 #1-#3, 639 #1-#5 <i>H.O.T. Problems</i> 635 #25-#27, 641 #31-#32 <i>Mid-Chapter Quiz</i> 652 #1-#9 <i>Real-World Example</i> 633, 639</p> <p>Teacher Edition: A 636, 642; AE 633, 638, 639; FMC 638; T 632, 637; TNT 634, 635</p>

STANDARDS	PAGE REFERENCES
<p>6. make predictions and compare results using both experimental and theoretical probability drawn from real-world problems; and</p>	<p>Student Edition: 643-647 <i>Check Your Understanding</i> 645 #1-#5 <i>Concepts and Skills Bank</i> 746 <i>H.O.T. Problems</i> 646 #20-#21 <i>Mini Lab</i> 643 <i>Practice Test</i> 663 #7-#12 <i>Probability Lab</i> 648-649 <i>Real-World Example</i> 644 <i>Study Guide and Review</i> 661 #16-#23</p> <p>Teacher Edition: A 647, 649; AE 644; F 648; FMC 645; T 643, 648; TNT 649</p>
<p>7. use counting strategies to determine all the possible outcomes from an experiment (for example, the number of ways students can line up to have their picture taken).</p>	<p>Student Edition: 632-636 <i>Check Your Understanding</i> 634 #1-#3 <i>H.O.T. Problems</i> 635 #25-#27 <i>Problem-Solving Investigation</i> 650-651</p> <p>Teacher Edition: A 636, 651; AE 633, 650; P 651; T 632, 650; TNT 634, 635, 651</p>
<p>Standard 4: Students use geometric concepts, properties, and relationships in problem-solving situations and communicate the reasoning used in solving these problems.</p>	
<p>1. construct two- and three-dimensional models using a variety of materials and tools;</p>	<p>Student Edition: 386-391, 393 <i>Check Your Understanding</i> 389 #1-#5 <i>Measurement Lab</i> 385, 392 <i>Mini Lab</i> 380 #1-#3, 386 #1-#4 <i>Test Practice</i> 396 #20</p> <p>Teacher Edition: AE 389; FMC 387; LLR 380b, 386b, 393b; T 380, 385, 392; TNT 388, 389</p>

STANDARDS	PAGE REFERENCES
<p>2. describe, analyze, and reason informally about the properties (for example, parallelism, perpendicularity, congruence) of two- and three-dimensional figures ;</p>	<p>Student Edition: 316-319, 320-323, 373-378, 380-384 <i>Check Your Understanding</i> 317 #1-#4, 322 #1-#6, 375 #1-#5, 382 #1-#9 <i>Concepts and Skills Bank</i> 737-738 <i>Geometry Lab</i> 324-325 <i>H.O.T. Problems</i> 318 #20-#21, 323 #17 <i>Mini Lab</i> 316 #1-#2, 373 #1-#2, 380 #1-#3 <i>Practice Test</i> 347 #3-#5 <i>Study Guide and Review</i> 344 #19-#23 <i>Study Tip</i> 374, 375</p> <p>Teacher Edition: A 319, 385; AE 317, 321, 374, 375, 381, 382; F 385; FMC 317; T 316, 320, 373, 380, 385; TNT 321, 381</p>
<p>3. apply the concepts of ratio, proportion, and similarity in problem-solving situations;</p>	<p>Student Edition: 218-223, 222 #9-#12, 223 #13-#14, 236-241, 399-404 <i>Check Your Understanding</i> 222 #1-#3, 239 #1-#5, 402 #1-#3 <i>Geometry Lab</i> 224 <i>Mini Lab</i> 218 <i>Practice Test</i> 247 #9-#10, #15, 409 #14-#16 <i>Real-World Example</i> 236, 237, 238 <i>Spreadsheet Lab</i> 397-398 <i>Study Guide and Review</i> 245 #25-#28, 246 #33-#35, 408 #28</p> <p>Teacher Edition: A 223, 241, 401; AE 219, 220, 221, 237, 238, 400, 401; FMC 219, 237, 400; T 218, 236, 399; TNT 219, 220, 238, 399</p>
<p>4. solve problems using coordinate geometry;</p>	<p>Student Edition: 173-178, 178 #43-#44 <i>Check Your Understanding</i> 176 #1-#13 <i>Practice Test</i> 183 #22-#25 <i>Real-World Example</i> 175 <i>Study Guide and Review</i> 182 #44-#50 <i>Study Tip</i> 174, 175</p> <p>Teacher Edition: A 178; AE 174, 175; FMC 175; LLR 173b</p>

STANDARDS	PAGE REFERENCES
<p>5. solve problems involving perimeter and area in two dimensions, and involving surface area and volume in three dimensions; and</p>	<p>Student Edition: 352-357, 363-367, 373-378, 380-384, 386-391, 393-396 <i>Check Your Understanding</i> 355 #1-#7, 365 #1-#4, 375 #1-#5, 382 #1-#9, 389 #1-#5, 395 #1-#3 <i>Concepts and Skills Bank</i> 739, 740 <i>Measurement Lab</i> 362, 385 <i>Mini Lab</i> 352 #1-#4, 380 #1-#3, 386 #1-#4 <i>Real-World Example</i> 354</p> <p>Teacher Edition: A 378, 384, 391, 396; AE 374, 375, 381, 382, 387, 388, 389, 394; FMC 374, 381, 387, 394; T 352, 373, 380, 386, 393; TNT 381, 386, 388, 395</p>
<p>6. transform geometric figures using reflections, translations, and rotations to explore congruence.</p>	<p>Student Edition: 225-230, 327-331, 332-336, 337-341 <i>Check Your Understanding</i> 228 #1-#6, 329 #1-#3, 334 #1-#3, 339 #1-#5 <i>H.O.T. Problems</i> 336 #17-#19 <i>Mini Lab</i> 225, 327 #3-#5 <i>Practice Test</i> 347 #12, #14-#16 <i>Spreadsheet Lab</i> 231 <i>Study Guide and Review</i> 345-346 #27-#39</p> <p>Teacher Edition: A 230, 331, 336, 341; AE 226, 227, 328, 329, 333, 334, 338, 339; FMC 226, 328, 338; T 225, 231, 327, 332, 337; TNT 338</p>

STANDARDS	PAGE REFERENCES
<p>Standard 5: Students use a variety of tools and techniques to measure, apply the results in problem-solving situations, and communicate the reasoning used in solving these problems.</p>	
<p>1. estimate, use, and describe measures of distance, perimeter, area, volume, capacity, weight, mass, and angle comparison;</p>	<p>Student Edition: 98 Example 5, 110 #31-#32, 146 #36-#38, 173-178, 352-357, 373-378, 380-384 <i>Check Your Understanding</i> 176 #1-#13, 355 #4-#6, 375 #1-#5, 382 #1-#9 <i>Concepts and Skills Bank</i> 735, 739-740, 741, 742-743, 744-745 <i>Geometry Lab</i> 358-359 <i>H.O.T Problems</i> 73 #34, 357 #35-#37 <i>Mini Lab</i> 352, 373, 380 <i>Real-World Example</i> 175, 381 <i>Test Practice</i> 129 #46</p> <p>Teacher Edition: A 178, 357, 359; AE 145, 174, 175, 354, 374, 375, 381, 382; F 358; FMC 175, 353, 374, 381; T 173, 352, 358, 373, 380</p>
<p>2. estimate, make, and use direct and indirect measurements to describe and make comparisons;</p>	<p>Student Edition: 218- 223, 232- 235, 236-241 <i>Check Your Understanding</i> 222 #1-#4, 233 #1-#2, 239 #1-#5 <i>Geometry Lab</i> 224 <i>H.O.T. Problems</i> 235 #11 <i>Mini Lab</i> 218 <i>Practice Test</i> 247 #9-#10, #15-#16 <i>Real-World Example</i> 236, 237, 238 <i>Study Guide and Review</i> 245 #25-#28, 246 #29-#35</p> <p>Teacher Edition: A 224, 235; AE 219, 220, 233, 237, 238; F 224, 233; FMC 237; T 218, 224, 236; TNT 238</p>

STANDARDS	PAGE REFERENCES
<p>3. read and interpret various scales including those based on number lines, graphs, and maps;</p>	<p>Student Edition: 156 Example 4, 157 Example 5, 6, 158 #19-#22, 217 #7, 475-480, 528-533 <i>Check Your Understanding</i> 158 #5-#6, 239 #1-#2, 478 #1-#5, 530 #1-#7 <i>H.O.T. Problems</i> 532 #38-#40 <i>Real-World Example</i> 175, 236, 475, 530 <i>Study Tip</i> 476</p> <p>Teacher Edition: AE 156, 175, 236, 476, 477, 529, 530; FMC 156, 237, 476; LLR 475b; T 475, 528; TNT 156, 476, 530</p>
<p>4. develop and use formulas and procedures to solve problems involving measurement;</p>	<p>Student Edition: 307 Example 1, Example 2, 309 #10-#17, 310 #28-#29, #30-#35, 352-357, 373-378 <i>Check Your Understanding</i> 355 #1-#7, 375 #1-#5 <i>Concepts and Skills Bank</i> 739-740, 742-743, 744-745 <i>Geometry Lab</i> 358-359 <i>Mini Lab</i> 306, 352, 373 <i>Real-World Example</i> 308 <i>Study Tip</i> 374, 375</p> <p>Teacher Edition: A 359; AE 307, 308, 353, 374, 375; F 358; T 306, 352, 358, 373; TNT 375</p>
<p>5. describe how a change in an object's linear dimensions affects its perimeter, area, and volume; and</p>	<p>Student Edition: 399-404 <i>Check Your Understanding</i> 402 #1-#3 <i>H.O.T. Problems</i> 377 #28-#31 <i>Study Tip</i> 400 <i>Test Example</i> 401</p> <p>Teacher Edition: A 404; AE 400, 401; FMC 400; T 399; TNT 399, 401</p>
<p>6. select and use appropriate units and tools to measure to the degree of accuracy required in a particular problem-solving situation.</p>	<p>Student Edition: 99 #24-#27, 100 #41-#43, 214 #27, 375 Example 4 <i>Check Your Understanding</i> 99 #10-#11, 375 #5 <i>Concepts and Skills Bank</i> 735 <i>Geometry Lab</i> 224 #1-#5 <i>Real-World Example</i> 98</p> <p>Teacher Edition: A 224; AE 98, 375; F 224; LLR 96b, 373b; T 224</p>

STANDARDS	PAGE REFERENCES
<p>Standard 6: Students link concepts and procedures as they develop and use computational techniques, including estimation, mental arithmetic, paper-and-pencil, calculators, and computers, in problem-solving situations and communicate the reasoning used in solving these problems.</p>	
<p>1. use models to explain how ratios, proportions, and percents can be used to solve real-world problems;</p>	<p>Student Edition: 252-255, 254 #29-#31, 263-267, 274 #1-#4, #6-#9, #12-#15 <i>Check Your Understanding</i> 254 #1-#9, 258 #1-#12 <i>Mini Lab</i> 263 #1-#3 <i>Real-World Example</i> 265 <i>Study Tip</i> 252, 253, 265</p> <p>Teacher Edition: A 267; AE 253, 264, 265; FMC 264; TNT 254, 266; T 252, 263</p>
<p>2. construct, use, and explain procedures to compute and estimate with whole numbers, fractions, decimals, and integers;</p>	<p>Student Edition: 35, 41-45, 46-49, 51-56, 84-89, 88 #48 <i>Check Your Understanding</i> 44 #1-#10, 48 #1-#12, 54 #1-#16, 87 #1-#13 <i>H.O.T. Problems</i> 88 #49, 89 #51 <i>Mini Lab</i> 46 <i>Real-World Example</i> 43, 54, 86 <i>Study Tip</i> 47, 85, 86</p> <p>Teacher Edition: A 45, 49, 56, 89; AE 42, 43, 47, 52, 53; FMC 42, 52, 85; T 35, 41, 46, 84; TNT 43, 56, 86, 88</p>
<p>3. develop, apply, and explain a variety of different estimation strategies in problem-solving situations, and explain why an estimate may be acceptable in place of an exact answer; and</p>	<p>Student Edition: 155-159, 351 #8-#12, 352-357, 364 Example 1, 366 #7, #8, 374 Example 3, 376 #10, #11, #14-#15, #17, 381, 382 Example 3, 383 #14-#17, #23 <i>Check Your Understanding</i> 158 #1-#10, 355 #1-#7, 365 #2-#3, 375 #3-#4 <i>H.O.T. Problems</i> 367 #18 <i>Measurement Lab</i> 385 #1-#7 <i>Mid-Chapter Quiz</i> 379 #1-#2, #6, #11 <i>Mini Lab</i> 352 #1-#4 <i>Real-World Example</i> 157, 354</p> <p>Teacher Edition: A 357; AE 156, 157, 353, 354, 375, 382; FMC 156; TNT 157; T 352</p>

STANDARDS	PAGE REFERENCES
<p>4. select and use appropriate algorithms for computing with commonly used fractions and decimals, percents, and integers in problem-solving and determine whether the results are reasonable.</p>	<p>Student Edition: 44 #29-#33, 48 #29-#30, #39-#40, 55 #29-#30, #39-#40, #57, 87 #26-#29, 99 #24-#27, 106, 110 #27-#28, 252-255 <i>Check Your Understanding</i> 44 #10, 48 #9, 54 #16, 87 #7, 105 #12, 254 #3 <i>H.O.T. Problems</i> 45 #40-#41, 255 #32-#33 <i>Real-World Example</i> 54, 87, 98, 104, 109, 253 <i>Spiral Review</i> 89 #61 <i>Test Practice</i> 89 #55</p> <p>Teacher Edition: A 49, 255; AE 54, 86, 98, 104, 109, 253; FMC 253; T 96, 102, 108, 252; TNT 107</p>