



Algebra 1

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STANDARDS		PAGE REFERENCES
GRADE 8		
Standard 1: Number and Operation		
Students in Grade 8 read, write, compare, order, and place on a number line rational numbers, including integers, fractions, decimals, and percents, and absolute values. Students use rational numbers, including percents and ratios, and π (π) to solve problems. Students convert between standard form, scientific notation, and exponential form. Students add, subtract, multiply, and divide rational numbers and students recall the common equivalent fractions, decimals, and percents of halves, thirds, fourths, fifths, and tenths. Students evaluate numerical expressions with rational numbers using the order of operations and students evaluate numerical expressions with whole number exponents. Students estimate to predict computation results.		
Goal 1.1: Understand and use numbers.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.1.1.1	Compare magnitudes and relative magnitudes of rational numbers, including integers, fractions, decimals, percents, and absolute values. (337.01.a)	Student Edition: 68-72, 73-77, 103-109 Teacher Wraparound Edition: ICE 104, 105, 106

STANDARDS		PAGE REFERENCES
8.M.1.1.2	Use rational numbers, including percents and ratios, and π (π) to solve problems. (337.01.b)	<p>Student Edition: 75 Ex3, 77 #37, 80 Ex4, 82 #52, 85 #4, 128-134, 135-140, 142-148, 149-154, 155-159, 160-164, 167 Ex3, 171-177, 318-323, 325-331, 332-337, 339-344</p> <p><i>Reading Mathematics</i> 165 <i>Spreadsheet Investigation</i> 178</p>
8.M.1.1.3	Locate the position of rational numbers and positive real numbers on a number line. (337.01.e)	<p>Student Edition: 68-72, 73-78</p> <p>Teacher Wraparound Edition: DI 75; OEA 72</p>
8.M.1.1.4	Convert between standard form, scientific notation, and exponential form. (337.01.c)	<p>Student Edition: 7 Ex3, 410-415, 417-423, 425-430, 436 #61-64, 443 #47-54</p> <p>Teacher Wraparound Edition: DI 426; UM 421</p>
8.M.1.1.5	Apply number theory concepts (primes, composites, prime factorization, LCM, GCF). (337.01.d)	<p>Student Edition: 41 #47-49, 87 #58, 98 #12-13, 144, 153 #42-43, 244 #27-28, 336 #51-52, 392 #42, 447 #53-54, 456 #45-47, 474-479, 648-653</p> <p>Teacher Wraparound Edition: DI 650; OEA 479; TtoT 476</p>
8.M.1.1.6	Recognize pertinent information for problem solving. (338.01.b)	<p>Student Edition: 14 #41-43, 37-42, 44 Ex3, 46 #10-13, 77 #60-62, 86 #16, 131 Ex6, 153 #48, 163 #30, 290 #58-60, 322 #48, 330 #51, 385 #35, 435 #54</p>
8.M.1.1.7	Apply integers in one- and two-step common real-world situations.	<p>Student Edition: 24 #34-36, 75 Ex3, 77 #57-62, 80 Ex4, 82 #52, 85 Ex4, 86 #46, 131 Ex6, 132 #51-55, 136 Ex4, 139 #39-41, 145 #15, 147 #53</p>
8.M.1.1.8	Use appropriate vocabulary.	<p>Student Edition: 6-9, 16, 21-25, 29 #1, 32-36, 37-42, 43-48, 53 #1, 68-72, 81 #3, 86 #1, 91 #1</p> <p><i>Reading Mathematics</i> 10</p> <p>Teacher Wraparound Edition: DI 22</p>

STANDARDS		PAGE REFERENCES
Goal 1.2: Perform computations accurately.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.1.2.1	Recall the common equivalent fractions, decimals, and percents of halves, thirds, fourths, fifths, and tenths. (337.02.b)	Student Edition: 753 #11-18 <i>Prerequisite Skills</i> 802-803, 804-805 This standard also could be met by integrating into pages 160-164.
8.M.1.2.2	Add, subtract, multiply, and divide rational numbers. (337.02.a)	Student Edition: 73-78, 79-83, 84-87, 128-134, 135-140, 142-148, 155-159 Teacher Wraparound Edition: DI 75, 81, 85
8.M.1.2.3	Evaluate numerical expressions with whole number exponents. (337.02.d)	Student Edition: 6-9, 11-15, 410-415
8.M.1.2.4	Evaluate numerical expressions with rational numbers using the order of operations. (337.02.c)	Student Edition: 11-15, 17 Ex2, 20 #51, 23 #24-29, 25 #57-62, 36 #58, 81 #16-33 Teacher Wraparound Edition: DI 15; OEA 15
8.M.1.2.5	Select and use an appropriate method of computation from mental math, paper and pencil, calculator, or a combination of the three. (337.02.e)	Student Edition: 73-78, 79-83, 84-87, 88-94, 103-109, 142-148, 149-154, 155-159, 160-164, 171-177
8.M.1.2.6	Use a variety of strategies including common mathematical formulas to compute problems drawn from real life situations. (338.01.a)	Student Edition: 108 #50-51, 132 #51-57, 136 Ex4, 139 #43-45, 147 #51-54, 153 #44, 157 Ex5, 159 #31-35, 160-164, 166-170, 171-177 <i>Reading Mathematics</i> 165 <i>Spreadsheet Investigation</i> 178
8.M.1.2.7	Use appropriate vocabulary and notations. (337.02.f)	Student Edition: 6-9, 16, 21-25, 29 #1, 32-36, 37-42, 43-48, 53 #1, 68-72, 81 #3, 86 #1, 91 #1 <i>Reading Mathematics</i> 10 Teacher Wraparound Edition: DI 22

STANDARDS		PAGE REFERENCES
Goal 1.3: Estimate and judge reasonableness of results.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.1.3.1	Estimate to predict computation results. (337.03.a)	Student Edition: 17-18 Ex4, 52 Ex3, 54 #13, 535 Ex5 <i>Study Tip</i> 50
8.M.1.3.2	Identify when estimation is appropriate and apply to problem solving situations. (337.03.b)	Student Edition: 52 Ex3, 54 #13 <i>Study Tip</i> 50
8.M.1.3.3	Identify whether a given estimate is an overestimate or underestimate. (337.03.c)	Student Edition: 17-18 Ex4, 147 #51-52
8.M.1.3.4	Use a four-function calculator to solve complex grade-level problems.	This standard can be met by expanding on the following pages. Student Edition: 103-109, 120-126, 128-134, 135-140, 142-148, 149-154, 155-159, 160-164, 166-170, 171-177, 325-331, 332-337
8.M.1.3.5	Formulate conjectures and justify (short of formal proof) why they must be or seem to be true. (338.02.c)	Student Edition: 37-42, 233-238, 240-245 <i>Algebra Activity</i> 28, 49, 102, 127, 141, 241 <i>Graphing Calculator Investigation</i> 265, 278-279 <i>Reading Mathematics</i> 239 <i>Spreadsheet Investigation</i> 232 Teacher Wraparound Edition: F 32; OEA 42
8.M.1.3.6	Use appropriate vocabulary and notations. (337.03.d)	Student Edition: 37-42, 233-238, 243 #3 <i>Reading Mathematics</i> 239 Teacher Wraparound Edition: DI 38; OEA 42

STANDARDS		PAGE REFERENCES
Standard 2: Concepts and Principles of Measurement		
Students in Grade 8 select and use appropriate units and tools to make formal measurements in both systems. Students apply given formulas for perimeter, circumference, and area of triangles, circles, and quadrilaterals, and the volume and surface area of rectangular prisms. Students solve problems involving area of circles and the perimeter and area of rectangles and triangles. Students use rates, proportions, ratios, and map scales in problem solving situations.		
Goal 2.1: Understand and use U.S. customary and metric measurements.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.2.1.1	Select and use appropriate units and tools to make formal measurements in both systems. (339.01.a)	Student Edition: <i>Algebra Activity</i> 622, 626
8.M.2.1.2	Apply estimation of measurement to real-world and content problems using standard measuring devices. (339.01.b)	Student Edition: <i>Algebra Activity</i> 622, 626
8.M.2.1.3	Compare the differences and relationships among measures of perimeter, area, and volume (capacity) within both systems. (339.01.c)	Student Edition: <i>Algebra Activity</i> 416
8.M.2.1.4	Given the formulas, find the circumference, perimeter, or area of triangles, circles, and quadrilaterals, and the volume and surface area of rectangular prisms. (341.01.e)	Student Edition: 9 #46, 14 #29, 132 #41-42, 147 #54, 153 #47, 167 Ex3, 168 #10-12, 169 #35, 170 #42, 380 #29, 447 #37-38, 456 #43-44 <i>Prerequisite Skills</i> 813-814, 815-816, 817
8.M.2.1.5	Convert units of measurement within each system in problem solving situations. (339.01.e)	Student Edition: 142, 380 #36, 657 #10-11, 658 #28-32
8.M.2.1.6	Solve problems involving area of circles and the perimeter and area of rectangles and triangles. (339.01.d)	Student Edition: 9 #46, 14 #29, 147 #54, 153 #47, 168 #10-12, 169 #35, 170 #42, 380 #29, 447 #37-38 <i>Prerequisite Skills</i> 813-814, 815-816
8.M.2.1.7	Use appropriate vocabulary and notations. (339.01.f)	Student Edition: 14 #29, 15 #46, 133 #57, 147 #54, 153 #47, 168 #12, 169 #35 <i>Prerequisite Skills</i> 813-814, 815-816, 817

STANDARDS		PAGE REFERENCES
Goal 2.2: Apply the concepts of rates, ratios, and proportions.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.2.2.1	Use rates, proportions, ratios, and map scales in problem-solving situations. (339.03.a)	Student Edition: 155-159, 160-164, 264-270, 616-621, 623-630, 642-647 <i>Algebra Activity</i> 622, 626 <i>Reading Mathematics</i> 165 Teacher Wraparound Edition: TNT 156
8.M.2.2.2	Determine unit rates in real-world situations.	See Glencoe's <i>Algebra: Concepts and Applications</i> © 2006 Student Edition: 188-193
Goal 2.3: Apply dimensional analysis.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.2.3.1	Illustrate the interrelationship of measurement units through dimensional analysis conversions. (339.04.a)	Student Edition: 167-168 Ex4, Intro on 655, 656 Ex4, 657 #10-11, 658 #28-33 & 35-37, 663 #38-41
Standard 3: Concepts and Language of Algebra and Functions		
Students in Grade 8 translate simple word statements and story problems into algebraic expressions and equations. Students use the order of operations in evaluating basic algebraic expressions and students solve one- and two-step equations and inequalities. Students represent a set of data in a table, as a graph, and as a mathematical relationship.		
Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.3.1.1	Use variables in expressions, equations, and inequalities. (340.01.a)	Student Edition: 6-9, 16-20, 26-31, 32-36, 79-83, 84-87, 120-126, 128-134, 135-140, 142-148, 149-154, 155-159, 160-164, 171-177 <i>Algebra Activity</i> 122
8.M.3.1.2	Translate simple word statements and story problems into algebraic expressions and equations. (340.01.b)	Student Edition: 6-9, 17 Ex4, 19 #26, 77 #38, 120-126, 128-134, 137 Ex7, 139 #33-49, 142-148, 149-154, 155-159, 160-164, 171-177 <i>Algebra Activity</i> 122 <i>Reading Mathematics</i> 10

STANDARDS		PAGE REFERENCES
8.M.3.1.3	Use symbols “<,” “>,” “=,” “≠,” “≤,” and “≥” to express relationships. (340.01.c)	Student Edition: 120-126, 128-134, 135-140, 142-148, 149-154, 155-159, 318-323, 325-331, 332-337, 397 #29-30 Teacher Wraparound Edition: DI 320; UM 321
Goal 3.2: Evaluate algebraic expressions.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.3.2.1	Use and apply the following properties in evaluating algebraic expressions: commutative, associative, identity, zero, inverse, distributive, and substitution. (340.02.a)	Student Edition: 21-25, 26-31, 32-36, 376-381 <i>Algebra Activity 28</i> Teacher Wraparound Edition: DI 29, 33; OEA 25, 36
8.M.3.2.2	Use the order of operations in evaluating simple algebraic expressions. (340.02.b)	Student Edition: 11-15, 26-31, 32-36, 81 #34-39, 85 Ex5, 86 #37-44, 410-415, 417-423, 439-443, 444-449, 452-457, 458-463 <i>Algebra Activity 28</i> Teacher Wraparound Edition: DI 15
8.M.3.2.3	Simplify algebraic expressions. (340.02.c)	Student Edition: 11-15, 26-31, 32-36, 81 #34-39, 85 Ex5, 86 #37-44, 410-415, 417-423, 439-443, 444-449, 452-457, 458-463 <i>Algebra Activity 28</i> Teacher Wraparound Edition: DI 15
Goal 3.3: Solve algebraic equations and inequalities.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.3.3.1	Solve one- and two-step equations and inequalities. (340.03.a)	Student Edition: 128-133, 135-140, 142-148, 149-154, 155-159, 160-164, 166-170, 171-177, 318-323, 325-331, 332-337 <i>Algebra Activity 127, 141, 324</i> <i>Reading Mathematics 165</i>

STANDARDS		PAGE REFERENCES
8.M.3.3.2	Match graphical representations with simple linear equations. (340.03.b)	Student Edition: 218-223, 256-262, 264-270, 272-277, 280-285 <i>Graphing Calculator Investigation</i> 224-225, 265, 278-279, 333 Teacher Wraparound Edition: UM 219
Goal 3.4: Understand the concept of functions.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.3.4.1	Extend patterns and identify a rule (function) that generates the pattern using rational numbers. (343.01.a)	Student Edition: 226-231, 233-238, 240-245 <i>Algebra Activity</i> 102, 241 <i>Reading Mathematics</i> 239 <i>Spreadsheet Investigation</i> 232
8.M.3.4.2	Use relationships to explain how a change in one quantity may result in a change in another, and identify the relationship as a positive, negative, or neither. (343.01.b)	Student Edition: 212-217, 218-223, 233-238, 240-245, 256-262 <i>Algebra Activity</i> 241
8.M.3.4.3	Use appropriate vocabulary and notations. (343.01.c)	Student Edition: 205-211, 212-217, 218-223, 226-231, 233-238 <i>Algebra Activity</i> 207 <i>Spreadsheet Investigation</i> 232 Teacher Wraparound Edition: DI 227
Goal 3.5: Represent equations, inequalities and functions in a variety of formats.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.3.5.1	Represent a set of data in a table, as a graph, and as a mathematical relationship. (343.02.a)	Student Edition: 205-211, 212-217, 218-223, 226-231, 233-238, 240-245 <i>Algebra Activity</i> 207 <i>Graphing Calculator Activity</i> 204, 224-225
Goal 3.6: Apply functions to a variety of problems.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.3.6.1	Use patterns and linear functions to represent and solve problems. (343.03.a)	Student Edition: 212-217, 218-223, 233-238, 240-245 <i>Reading Mathematics</i> 239

STANDARDS	PAGE REFERENCES
Standard 5: Data Analysis, Probability, and Statistics	
<p>Students in Grade 8 analyze and interpret tables, charts and graphs, including frequency tables, scatter plots, line graphs, line plots, bar graphs, histograms, circle graphs, and stem-and-leaf plots. Students collect, organize, and display data with appropriate notation in tables, charts, and graphs, including scatter plots, line graphs, line plots, bar graphs, histograms, and stem-and-leaf plots. Students choose and calculate the appropriate measure of central tendency – mean, median, and mode. Students recognize equally likely outcomes and make predictions based on experimental and theoretical probabilities.</p>	
Goal 5.1: Understand data analysis.	
Objective(s): By the end of Grade 8, the student will be able to:	
<p>8.M.5.1.1 Analyze and interpret tables, charts, and graphs, including frequency tables, scatter plots, broken line graphs, line plots, bar graphs, histograms, circle graphs, and stem-and-leaf plots. (342.01.a)</p>	<p>Student Edition: 50-55, 298-305, 722-728 <i>Algebra Activity</i> 299 <i>Graphing Calculator Investigation</i> 306-307 <i>Prerequisite Skills</i> 806-807, 808-809 <i>Reading Mathematics</i> 714 Teacher Wraparound Edition: DI 52, 724; UM 51, 725</p>
<p>8.M.5.1.2 Explain and justify conclusions drawn from tables, charts, and graphs. (342.01.b)</p>	<p>Student Edition: 50-55, 298-305, 722-728 <i>Algebra Activity</i> 299 <i>Graphing Calculator Investigation</i> 306-307 <i>Prerequisite Skills</i> 806-807, 808-809 <i>Reading Mathematics</i> 714 Teacher Wraparound Edition: DI 52, 724; UM 51, 725</p>
<p>8.M.5.1.3 Use appropriate vocabulary and notations. (342.01.c)</p>	<p>Student Edition: 50-55, 298-305, 708-713, 722-728, 731-736, 737-742 <i>Algebra Activity</i> 299, 743-744 <i>Graphing Calculator Investigation</i> 306-307, 729-730 <i>Prerequisite Skills</i> 806-807, 808-809 <i>Reading Mathematics</i> 714 Teacher Wraparound Edition: DI 52, 724; UM 51, 725</p>

STANDARDS		PAGE REFERENCES
Goal 5.2: Collect, organize, and display data.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.5.2.1	Collect, organize, and display data with appropriate notation in tables, charts, and graphs, including scatter plots, broken line graphs, line plots, bar graphs, histograms, and stem-and-leaf plots. (342.02.a)	Student Edition: 88-94, 298-305, 722-728 <i>Algebra Activity</i> 49, 102, 299, 347, 416, 573, 622 <i>Graphing Calculator Investigation</i> 306-307, 729-730
Goal 5.3: Apply simple statistical measurements.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.5.3.1	Choose and calculate the appropriate measure of central tendency – mean, median, and mode. (342.03.a)	Student Edition: 88-94 <i>Prerequisite Skills</i> 818-819 Teacher Wraparound Edition: DI 90; UM 91
8.M.5.3.2	Explain the significance of distribution of data, including range, frequency, gaps, and clusters. (342.03.b)	Student Edition: 88-93, 731-736, 737-742 <i>Reading Mathematics</i> 95 Teacher Wraparound Edition: DI 90; UM 91
Goal 5.4: Understand basic concepts of probability.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.5.4.1	Model situations of probability using simulations. (342.04.a)	Student Edition: 782-788 <i>Algebra Activity</i> 783 Teacher Wraparound Edition: DI 784; OEA 788; TtoT 785
8.M.5.4.2	Recognize equally likely outcomes. (342.01.c)	Student Edition: 96-101, 754-758
8.M.5.4.3	Explain that probability ranges from 0% to 100% and identify a situation as having high or low probability.	Student Edition: 96-101 Teacher Wraparound Edition: DI 99; UM 97

STANDARDS		PAGE REFERENCES
8.M.5.4.4	Use the language of probability. (342.04.b)	Student Edition: 96-101, 769-776, 777-781, 782-788 <i>Algebra Activity</i> 783 <i>Reading Mathematics</i> 768 Teacher Wraparound Edition: DI 98; OEA 101; UM 97
Goal 5.5: Make predictions or decisions based on data.		
Objective(s): By the end of Grade 8, the student will be able to:		
8.M.5.5.1	Make predictions based on experimental and theoretical probabilities. (342.05.a)	Student Edition: 769-776, 777-781, 782-788 <i>Algebra Activity</i> 783 <i>Graphing Calculator Investigation</i> 729-730 Teacher Wraparound Edition: DI 784; OEA 788
8.M.5.5.2	Conduct statistical experiments and interpret results using tables, charts, or graphs. (342.05.c)	Student Edition: 708-713, 731-735, 737-742 <i>Algebra Activity</i> 743 <i>Reading Mathematics</i> 714 Teacher Wraparound Edition: DI 710
8.M.5.5.3	Use appropriate vocabulary and notations. (342.05.b)	Student Edition: 708-713, 731-736, 737-742, 769-776, 777-781, 782-788 <i>Algebra Activity</i> 743 <i>Graphing Calculator Investigation</i> 729-730

STANDARDS		PAGE REFERENCES
GRADE 9		
Standard 1: Number and Operation		
Students in Grade 9 deepen their understanding of real numbers by applying properties of rational numbers and exponents and by identifying exact and approximate roots without simplification. Students use positive and negative numbers, absolute value, fractions, decimals, percentages, and scientific notation. Students use the proper order of operations and perform operations with rational numbers. Students apply number sense to everyday situations and judge reasonableness of answers.		
Goal 1.1: Understand and use numbers.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.1.1.1	Apply properties of rational numbers. (347.01.b)	Student Edition: 21-25, 26-31, 32-36, 68-72, 73-78, 79-83, 84-87 <i>Algebra Activity</i> 28
9.M.1.1.2	Use positive and negative numbers, absolute value, fractions, decimals, percentages, and scientific notation, including application in real world situations. (347.01.a)	Student Edition: 77 #57-59, 82 #51, 86 #45, 132 #51-55, 139 #43-45, 146 #21, 153 #44, 160-164, 171-177, 425-430 <i>Reading Mathematics</i> 165
9.M.1.1.3	Apply properties of exponents. (347.01.c)	Student Edition: 410-415, 417-423, 425-430, 444-449, 452-457 <i>Algebra Activity</i> 416, 450-451 <i>Graphing Calculator Investigation</i> 418 Teacher Wraparound Edition: DI 412, 419; OEA 415; UM 421
9.M.1.1.4	Identify exact and approximate roots without simplification.	Student Edition: 103-109
9.M.1.1.5	Solve problems using number theory concepts (factors, multiples, primes). (347.01.d)	Student Edition: 41 #47-49, 98 #12-13, 244 #28, 474-479 (especially 478 #62), 481-486 Teacher Wraparound Edition: DI 475; TtoT 476
9.M.1.1.6	Use appropriate vocabulary.	Student Edition: 6-9, 16, 21-25, 29 #1, 32-36, 37-42, 43-48, 53 #1, 68-72, 81 #3, 86 #1, 91 #1 <i>Reading Mathematics</i> 10 Teacher Wraparound Edition: DI 22

STANDARDS		PAGE REFERENCES
Goal 1.2: Perform computations accurately.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.1.2.1	Use the order of operations and perform operations with rational numbers. (347.02.a)	Student Edition: 11-15, 17 Ex2, 20 #51, 23 #24-29, 25 #57-62, 36 #58, 81 #16-33 Teacher Wraparound Edition: DI 15; OEA 15
Goal 1.3: Estimate and judge reasonableness of results.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.1.3.1	Apply number sense to everyday situations and judge reasonableness of results. (347.03.a)	Student Edition: 16-20, 50-55, 75 Ex3, 121 Ex2, 157 Ex4, 371 Ex3 <i>Algebra Activity</i> 347
9.M.1.3.2	Identify that error accumulates in a computation when there is rounding. (349.05.b)	See Glencoe's <i>Geometry</i> © 2005 Student Edition: 19 #52-#55
Standard 2: Concepts and Principles of Measurement		
Students in Grade 9 formulate and use proportions, ratios, and scaling. Students apply concepts of rates and direct and indirect measurements. Students evaluate given measurement formulas for two- and three-dimensional objects.		
Goal 2.1: Understand and use U.S. customary and metric measurements.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.2.1.1	Given the formulas, find the circumference, perimeter, or area of triangles, circles, and quadrilaterals, and the volume and surface area of rectangular prisms and cylinders. (349.01.a)	Student Edition: 9 #46, 14 #29, 132 #41-42, 147 #54, 153 #47, 167 Ex3, 168 #10-12, 169 #35, 170 #42, 380 #29, 447 #37-38, 456 #43-44 <i>Prerequisite Skills</i> 813-814, 815-816, 817
9.M.2.1.2	Solve problems involving circumference, perimeter, or area of triangles, circles, and rectangles.	Student Edition: 9 #46, 14 #29, 147 #54, 153 #47, 168 #10-12, 169 #35, 170 #42, 380 #29, 447 #37-38 <i>Prerequisite Skills</i> 813-814, 815-816

STANDARDS		PAGE REFERENCES
Goal 2.2: Apply the concepts of rates, ratios, and proportions.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.2.2.1	Use rates, ratios, proportions, and map scales in problem-solving situations. (349.03.a)	Student Edition: 155-159, 160-164, 264-270, 616-621, 623-630, 642-647 <i>Algebra Activity</i> 622, 626 <i>Reading Mathematics</i> 165 Teacher Wraparound Edition: TNT 156
9.M.2.2.2	Apply concepts of rates and direct and indirect measurements.	Student Edition: 155-159, 256-262, 264-270, 605-610, 616-621, 623-630, 692 Ex5, 694 #30-34 <i>Algebra Activity</i> 271, 416, 622, 626
9.M.2.2.3	Construct equivalent units, comparable units, and conversions. (349.02.a)	Student Edition: 167-168 Ex4, 656 Ex3, 657 #10, 658 #28-#31, 661 Ex5 Teacher Wraparound Edition: ICE 656, 661
Goal 2.3: Apply dimensional analysis.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.2.3.1	Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature. (349.04.a)	Student Edition: 9 #46, 14 #29, 147 #54, 153 #47, 168 #10-12, 170 #42, 380 #36, 448 #62, 657 #11 <i>Algebra Activity</i> 416, 622, 626
Goal 2.4: Apply appropriate techniques and tools to determine measurements.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.2.4.1	Determine and use appropriate units. (349.01.a)	Student Edition: 14 #29, 15 #46, 133 #57, 147 #54, 153 #47, 167-168 Ex4, 168 #12, 169 #35, Intro on 655, 656 Ex4, 657 #10-11, 658 #28-33 & 35-37, 663 #38-41 <i>Prerequisite Skills</i> 813-814, 815-816, 817
9.M.2.4.2	Approximate error in measurement situations.	Student Edition: <i>Algebra Activity</i> 347

STANDARDS	PAGE REFERENCES
Standard 3: Concepts and Language of Algebra and Functions	
<p>Students in Grade 9 use appropriate procedures for manipulating and simplifying algebraic expressions involving variables, integers, rational numbers, and for solving multi-step, first-degree equations and inequalities. Students understand the concept and applications of functions and mathematical models. Given graphs, charts, ordered pairs, mappings, or equations, students determine whether a relation is a function. Students evaluate functions written in functional notation and, given a function, students identify domain and range.</p>	
Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.	
Objective(s): By the end of Grade 9, the student will be able to:	
<p>9.M.3.1.1 Represent mathematical relationships using variables, expressions, linear equations and inequalities. (350.01.a)</p>	<p>Student Edition: 6-9, 120-126, 128-134, 135-140, 142-148, 149-154, 155-159, 160-164, 166-170, 171-177, 616-621, 623-630 <i>Algebra Activity</i> 122 <i>Reading Mathematics</i> 10, 165</p>
Goal 3.2: Evaluate algebraic expressions.	
Objective(s): By the end of Grade 9, the student will be able to:	
<p>9.M.3.2.1 Use appropriate procedures for manipulating and simplifying algebraic expressions involving variables, integers, and rational numbers. (350.02.a)</p>	<p>Student Edition: 26-31, 32-36, 80 Ex2, 81 #34-39, 85 Ex 5&6, 86 #37-44, 410-415, 417-423, 439-443, 444-449, 452-457 <i>Algebra Activity</i> 28, 437-438, 450-451</p>
Goal 3.3: Solve algebraic equations and inequalities.	
Objective(s): By the end of Grade 9, the student will be able to:	
<p>9.M.3.3.1 Use appropriate procedures to solve multi-step, first-degree equations and inequalities; such as $3(2x - 5) = 5x + 7$ or $3(2x - 5) > 5x + 7$. (350.03.a)</p>	<p>Student Edition: 128-133, 135-140, 142-148, 149-154, 155-159, 160-164, 166-170, 171-177, 318-323, 325-331, 332-337 <i>Algebra Activity</i> 127, 141, 324 <i>Reading Mathematics</i> 165</p>
<p>9.M.3.3.2 Differentiate between linear and non-linear equations and graphs.</p>	<p>Student Edition: 218-223, 524-530</p>

STANDARDS		PAGE REFERENCES
Goal 3.4: Solve simple linear systems of equations.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.3.4.1	Use appropriate procedures to solve linear systems of equations involving two variables; such as $x + y = 7$ and $2x + 3y = 21$. (350.04.a)	Student Edition: 369-374, 376-381, 382-386, 387-392 <i>Algebra Activity</i> 376 <i>Graphing Calculator Investigation</i> 375 <i>Reading Mathematics</i> 393 <i>Spreadsheet Investigation</i> 368 Teacher Wraparound Edition: DI 370, 389; OEA 381; UM 372
Goal 3.5: Understand the concept of functions.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.3.5.1	Given graphs, charts, ordered pairs, mappings, or equations, determine whether a relation is a function.	Student Edition: 226-231 Teacher Wraparound Edition: DI 227; OEA 231
9.M.3.5.2	Evaluate functions written in functional notation.	Student Edition: 226-231
9.M.3.5.3	Given a function, identify domain and range.	Student Edition: 226-231
Goal 3.6: Apply functions to a variety of problems.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.3.6.1	Model and solve real-world phenomena using multi-step, first degree, single variable equations and inequalities, linear equations, and two-variable linear systems of equations. (353.01.a)	Student Edition: 120-126, 131 #12-14, 139 #43-45, 147 #53, 157 Ex 4&5, 159 #31-35, 160-164, 171-177, 266 Ex5, 274 Ex5, 276 #40-43, 298-305, 330 #49, 336 #41-42, 373 #46-47, 380 #33, 385 #34-36
9.M.3.6.2	Use graphs and sequences to represent and solve problems. (347.02.b)	Student Edition: 43-48, 55 #22, 192-196, 218-223, 226-231, 233-238, 274 Ex5, 298-305, 352-357, 369-374 <i>Algebra Activity</i> 49, 271 <i>Graphing Calculator Investigation</i> 306-307, 375

STANDARDS		PAGE REFERENCES
<u>Standard 5: Data Analysis, Probability, and Statistics</u>		
Students in Grade 9 interpret and use basic statistical concepts including mean, median, mode, range, and distribution of data, including outliers. Students make predictions and draw conclusions based on statistical measures and students make predictions based on randomness, chance, equally likely events, and probability. Students find probabilities based on dependent, independent, and compound events and students make predictions based on randomness, chance, equally likely events, and probability.		
Goal 5.1: Represent data with a variety of formats.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.5.1.1	Analyze and interpret tables, charts, and graphs, including scatter plots, broken line graphs, and box-and-whisker plots. (352.01.a)	Student Edition: 50-55, 298-305, 722-728 <i>Algebra Activity</i> 299 <i>Graphing Calculator Investigation</i> 306-307 <i>Prerequisite Skills</i> 806-807, 808-809 <i>Reading Mathematics</i> 714 Teacher Wraparound Edition: DI 52, 724; UM 51, 725
Goal 5.2: Collect, organize, and display data.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.5.2.1	Collect, organize, and display data in tables, charts, and graphs. (352.02.a)	Student Edition: 88-94, 298-305, 722-728, 737-742 <i>Algebra Activity</i> 102, 299, 347, 416, 573, 622, 743-744, 783 <i>Graphing Calculator Investigation</i> 729-730
Goal 5.3: Apply simple statistical measurements.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.5.3.1	Interpret and use basic statistical concepts, including mean, median, mode, range, and distribution of data, including outliers. (352.03.a)	Student Edition: 88-94, 731-736, 737-742 <i>Algebra Activity</i> 743-744 <i>Prerequisite Skills</i> 818-819 Teacher Wraparound Edition: DI 90; UM 93, 732, 738

STANDARDS		PAGE REFERENCES
9.M.5.3.2	Make predictions and draw conclusions based on statistical measures. (352.05.a)	Student Edition: 88-94, 298-305, 722-728, 731-736, 737-742 <i>Algebra Activity</i> 299, 743-744 <i>Graphing Calculator Investigation</i> 306-307, 729-730 <i>Reading Mathematics</i> 95
Goal 5.4: Understand basic concepts of probability.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.5.4.1	Find probabilities based on dependent, independent, and compound events.	Student Edition: 96-101, 769-776 <i>Algebra Activity</i> 102 Teacher Wraparound Edition: DI 770
9.M.5.4.2	Contrast experimental and theoretical probability. (352.04.a)	Student Edition: 782-788 <i>Algebra Activity</i> 783 Teacher Wraparound Edition: DI 784; TtoT 785
Goal 5.5: Make predictions or decisions based on data.		
Objective(s): By the end of Grade 9, the student will be able to:		
9.M.5.5.1	Make predictions based on randomness, chance, equally likely events, and probability. (352.04.c)	Student Edition: 96-101, 760-767, 769-776, 777-781, 782-788 <i>Algebra Activity</i> 102, 783 Teacher Wraparound Edition: DI 770; F 96
9.M.5.5.2	Use appropriate tools/technology to conduct simulations and employ graphical models to make predictions or decisions based on data. (352.05.a)	Student Edition: 782-788 <i>Algebra Activity</i> 783 Teacher Wraparound Edition: DI 784; OEA 788; TtoT 785

STANDARDS		PAGE REFERENCES
9.M.5.5.3	Design, conduct, and interpret results of statistical experiments. (352.05.b)	Student Edition: 708-713, 722-728, 731-736, 737-742 <i>Algebra Activity</i> 299, 743-744 <i>Graphing Calculator Investigation</i> 306-307, 729-730 <i>Reading Mathematics</i> 714 Teacher Wraparound Edition: DI 710
GRADE 10		
Standard 1: Number and Operation		
Students in Grade 10 deepen their understanding of real numbers by applying properties of rational numbers and exponents and by identifying exact and approximate roots without simplification. Students use positive and negative numbers, absolute value, fractions, decimals, percentages, and scientific notation. Students use the proper order of operations and perform operations with rational numbers. Students apply number sense to everyday situations and judge reasonableness of answers.		
Goal 1.1: Understand and use numbers.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.1.1.1	Apply properties of rational numbers. (347.01.b)	Student Edition: 21-25, 26-31, 32-36, 68-72, 73-78, 79-83, 84-87 <i>Algebra Activity</i> 28
10.M.1.1.2	Use positive and negative numbers, absolute value, fractions, decimals, percentages, and scientific notation, including application in real world situations. (347.01.a)	Student Edition: 77 #57-59, 82 #51, 86 #45, 132 #51-55, 139 #43-45, 146 #21, 153 #44, 160-164, 171-177, 425-430 <i>Reading Mathematics</i> 165
10.M.1.1.3	Apply properties of exponents. (347.01.c)	Student Edition: 410-415, 417-423, 425-430, 444-449, 452-457 <i>Algebra Activity</i> 416, 450-451 <i>Graphing Calculator Investigation</i> 418 Teacher Wraparound Edition: DI 412, 419; OEA 415; UM 421
10.M.1.1.4	Identify exact and approximate roots without simplification.	Student Edition: 103-109

STANDARDS		PAGE REFERENCES
10.M.1.1.5	Solve problems using number theory concepts (factors, multiples, primes). (347.01.d)	Student Edition: 41 #47-49, 98 #12-13, 244 #28, 474-479 (especially 478 #62), 481-486 Teacher Wraparound Edition: DI 475; TtoT 476
10.M.1.1.6	Use appropriate vocabulary.	Student Edition: 6-9, 16, 21-25, 29 #1, 32-36, 37-42, 43-48, 53 #1, 68-72, 81 #3, 86 #1, 91 #1 <i>Reading Mathematics 10</i> Teacher Wraparound Edition: DI 22
Goal 1.2: Perform computations accurately.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.1.2.1	Use the order of operations and perform operations with rational numbers. (347.02.a)	Student Edition: 11-15, 17 Ex2, 20 #51, 23 #24-29, 25 #57-62, 36 #58, 81 #16-33 Teacher Wraparound Edition: DI 15; OEA 15
Goal 1.3: Estimate and judge reasonableness of results.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.1.3.1	Apply number sense to everyday situations and judge reasonableness of results. (347.03.a)	Student Edition: 16-20, 50-55, 75 Ex3, 121 Ex2, 157 Ex4, 371 Ex3 <i>Algebra Activity 347</i>
10.M.1.3.2	Identify that error accumulates in a computation when there is rounding. (349.05.b)	See Glencoe's <i>Algebra 2</i> © 2005 Student Edition: 735 Ex3

STANDARDS		PAGE REFERENCES
Standard 2: Concepts and Principles of Measurement		
Students in Grade 10, given relative formulas, determine length, distance, area, surface area, capacity, and weight, with appropriate unit labels. Students formulate and use proportions, ratios, and scaling. Students apply concepts of rates and direct and indirect measurements. Students evaluate given measurement formulas for two- and three-dimensional objects.		
Goal 2.1: Understand and use U.S. customary and metric measurements.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.2.1.1	Given the formulas, find the circumference, perimeter, or area of triangles, circles, and quadrilaterals, the volume of spheres, non-oblique prisms, cylinders, and cones, and the surface area of spheres, non-oblique prisms, cylinders, and right square-based pyramids.(349.01.a)	Student Edition: 9 #46, 14 #29, 132 #41-42, 147 #54, 153 #47, 167 Ex3, 168 #10-12, 169 #35, 170 #42, 380 #29, 447 #37-38, 456 #43-44 <i>Prerequisite Skills</i> 813-814, 815-816, 817
10.M.2.1.2	Solve problems involving circumference, perimeter, or area of triangles, circles, and rectangles.	Student Edition: 9 #46, 14 #29, 147 #54, 153 #47, 168 #10-12, 169 #35, 170 #42, 380 #29, 447 #37-38 <i>Prerequisite Skills</i> 813-814, 815-816
Goal 2.2: Apply the concepts of rates, ratios, and proportions.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.2.2.1	Use rates, ratios, proportions, map scales, and scale factors (one- and two-dimensional) in problem-solving situations. (349.03.a)	Student Edition: 155-159, 160-164, 264-270, 616-621, 623-630, 642-647 <i>Algebra Activity</i> 622, 626 <i>Reading Mathematics</i> 165 Teacher Wraparound Edition: TNT 156
10.M.2.2.2	Apply concepts of rates and direct and indirect measurements.	Student Edition: 155-159, 256-262, 264-270, 605-610, 616-621, 623-630, 692 Ex5, 694 #30-34 <i>Algebra Activity</i> 271, 416, 622, 626
10.M.2.2.3	Construct equivalent units, comparable units, and conversions. (349.02.a)	Student Edition: 167-168 Ex4, 656 Ex3, 657 #10, 658 #28-#31, 661 Ex5 Teacher Wraparound Edition: ICE 656, 661

STANDARDS		PAGE REFERENCES
Goal 2.3: Apply dimensional analysis.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.2.3.1	Use customary and metric units and their relationship to one another and to real world applications involving length, area, capacity, weight, time, and temperature. (349.04.a)	Student Edition: 9 #46, 14 #29, 147 #54, 153 #47, 168 #10-12, 170 #42, 380 #36, 448 #62, 657 #11 <i>Algebra Activity</i> 416, 622, 626
Goal 2.4: Apply appropriate techniques and tools to determine measurements.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.2.4.1	Determine and use appropriate units. (349.01.a)	Student Edition: 14 #29, 15 #46, 133 #57, 147 #54, 153 #47, 167-168 Ex4, 168 #12, 169 #35, Intro on 655, 656 Ex4, 657 #10-11, 658 #28-33 & 35-37, 663 #38-41 <i>Prerequisite Skills</i> 813-814, 815-816, 817
10.M.2.4.2	Approximate error in measurement situations.	Student Edition: <i>Algebra Activity</i> 347
Standard 3: Concepts and Language of Algebra and Functions		
Students in Grade 10 use appropriate procedures for manipulating and simplifying algebraic expressions involving variables, integers, rational numbers, and for solving multi-step, first-degree equations and inequalities. Students understand the concept and applications of functions and mathematical models. Given graphs, charts, ordered pairs, mappings, or equations, students determine whether a relation is a function. Students evaluate functions written in functional notation and, given a function, students identify domain and range.		
Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.3.1.1	Represent mathematical relationships using variables, expressions, linear equations and inequalities. (350.01.a)	Student Edition: 6-9, 120-126, 128-134, 135-140, 142-148, 149-154, 155-159, 160-164, 166-170, 171-177, 616-621, 623-630 <i>Algebra Activity</i> 122 <i>Reading Mathematics</i> 10, 165

STANDARDS		PAGE REFERENCES
Goal 3.2: Evaluate algebraic expressions.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.3.2.1	Use appropriate procedures for manipulating and simplifying algebraic expressions involving variables, integers, and rational numbers. (350.02.a)	Student Edition: 26-31, 32-36, 80 Ex2, 81 #34-39, 85 Ex 5&6, 86 #37-44, 410-415, 417-423, 439-443, 444-449, 452-457 <i>Algebra Activity</i> 28, 437-438, 450-451
Goal 3.3: Solve algebraic equations and inequalities.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.3.3.1	Use appropriate procedures to solve multi-step, first-degree equations and inequalities; such as $3(2x - 5) = 5x + 7$ or $3(2x - 5) > 5x + 7$. (350.03.a)	Student Edition: 128-133, 135-140, 142-148, 149-154, 155-159, 160-164, 166-170, 171-177, 318-323, 325-331, 332-337 <i>Algebra Activity</i> 127, 141, 324 <i>Reading Mathematics</i> 165
10.M.3.3.2	Differentiate between linear and non-linear equations and graphs.	Student Edition: 218-223, 524-530
Goal 3.4: Solve simple linear systems of equations.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.3.4.1	Use appropriate procedures to solve linear systems of equations involving two variables; such as $x + y = 7$ and $2x + 3y = 21$. (350.04.a)	Student Edition: 369-374, 376-381, 382-386, 387-392 <i>Algebra Activity</i> 376 <i>Graphing Calculator Investigation</i> 375 <i>Reading Mathematics</i> 393 <i>Spreadsheet Investigation</i> 368 Teacher Wraparound Edition: DI 370, 389; OEA 381; UM 372
Goal 3.5: Understand the concept of functions.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.3.5.1	Given graphs, charts, ordered pairs, mappings, or equations, determine whether a relation is a function.	Student Edition: 226-231 Teacher Wraparound Edition: DI 227; OEA 231
10.M.3.5.2	Evaluate functions written in functional notation.	Student Edition: 226-231

STANDARDS		PAGE REFERENCES
10.M.3.5.3	Given a function, identify domain and range.	Student Edition: 226-231
Goal 3.6: Apply functions to a variety of problems.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.3.6.1	Model and solve real-world phenomena using multi-step, first degree, single variable equations and inequalities, linear equations, and two-variable linear systems of equations. (353.01.a)	Student Edition: 120-126, 131 #12-14, 139 #43-45, 147 #53, 157 Ex 4&5, 159 #31-35, 160-164, 171-177, 266 Ex5, 274 Ex5, 276 #40-43, 298-305, 330 #49, 336 #41-42, 373 #46-47, 380 #33, 385 #34-36
10.M.3.6.2	Use graphs and sequences to represent and solve problems. (347.02.b)	Student Edition: 43-48, 55 #22, 192-196, 218-223, 226-231, 233-238, 274 Ex5, 298-305, 352-357, 369-374 <i>Algebra Activity</i> 49, 271 <i>Graphing Calculator Investigation</i> 306-307, 375
<u>Standard 5: Data Analysis, Probability, and Statistics</u>		
Students in Grade 10 read, interpret, and use tables, charts, and graphs, including scatter plots, multiple broken line graphs, and box-and-whisker plots. Students interpret and use basic statistical concepts including mean, median, mode, range, and distribution of data, including outliers. Students make predictions and draw conclusions based on statistical measures and students make predictions based on randomness, chance, equally likely events, and probability. Students find probabilities based on dependent, independent, and compound events and students make predictions based on randomness, chance, equally likely events, and probability.		
Goal 5.1: Represent data with a variety of formats.		
Objective(s): By the end of Grade 10, the student will be able to:		
9.M.5.1.1	Analyze and interpret tables, charts, and graphs, including scatter plots, broken line graphs, and box-and-whisker plots. (352.01.a)	Student Edition: 50-55, 298-305, 722-728 <i>Algebra Activity</i> 299 <i>Graphing Calculator Investigation</i> 306-307 <i>Prerequisite Skills</i> 806-807, 808-809 <i>Reading Mathematics</i> 714 Teacher Wraparound Edition: DI 52, 724; UM 51, 725

STANDARDS		PAGE REFERENCES
Goal 5.2: Collect, organize, and display data.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.5.2.1	Collect, organize, and display data in tables, charts, and graphs. (352.02.a)	Student Edition: 88-94, 298-305, 722-728, 737-742 <i>Algebra Activity</i> 102, 299, 347, 416, 573, 622, 743-744, 783 <i>Graphing Calculator Investigation</i> 729-730
Goal 5.3: Apply simple statistical measurements.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.5.3.1	Interpret and use basic statistical concepts, including mean, median, mode, range, and distribution of data, including outliers. (352.03.a)	Student Edition: 88-94, 731-736, 737-742 <i>Algebra Activity</i> 743-744 <i>Prerequisite Skills</i> 818-819 Teacher Wraparound Edition: DI 90; UM 93, 732, 738
10.M.5.3.2	Make predictions and draw conclusions based on statistical measures. (352.05.a)	Student Edition: 88-94, 298-305, 722-728, 731-736, 737-742 <i>Algebra Activity</i> 299, 743-744 <i>Graphing Calculator Investigation</i> 306-307, 729-730 <i>Reading Mathematics</i> 95
Goal 5.4: Understand basic concepts of probability.		
Objective(s): By the end of Grade 10, the student will be able to:		
10.M.5.4.1	Find probabilities based on dependent, independent, and compound events.	Student Edition: 96-101, 769-776 <i>Algebra Activity</i> 102 Teacher Wraparound Edition: DI 770
10.M.5.4.2	Contrast experimental and theoretical probability. (352.04.a)	Student Edition: 782-788 <i>Algebra Activity</i> 783 Teacher Wraparound Edition: DI 784; TtoT 785

STANDARDS		PAGE REFERENCES
<p>Goal 5.5: Make predictions or decisions based on data.</p>		
<p>Objective(s): By the end of Grade 10, the student will be able to:</p>		
10.M.5.5.1	<p>Make predictions based on randomness, chance, equally likely events, and probability. (352.04.c)</p>	<p>Student Edition: 96-101, 760-767, 769-776, 777-781, 782-788 <i>Algebra Activity</i> 102, 783</p> <p>Teacher Wraparound Edition: DI 770; F 96</p>
10.M.5.5.2	<p>Use appropriate tools/technology to conduct simulations and employ graphical models to make predictions or decisions based on data. (352.05.a)</p>	<p>Student Edition: 782-788 <i>Algebra Activity</i> 783</p> <p>Teacher Wraparound Edition: DI 784; OEA 788; TtoT 785</p>
10.M.5.5.3	<p>Design, conduct, and interpret results of statistical experiments. (352.05.b)</p>	<p>Student Edition: 708-713, 722-728, 731-736, 737-742 <i>Algebra Activity</i> 299, 743-744 <i>Graphing Calculator Investigation</i> 306-307, 729-730 <i>Reading Mathematics</i> 714</p> <p>Teacher Wraparound Edition: DI 710</p>