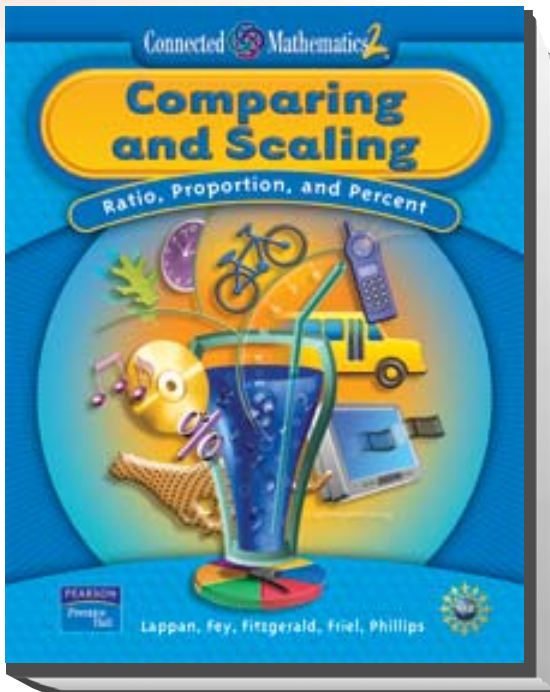


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Problem Solving	
<ul style="list-style-type: none"> • Build new mathematical knowledge through problem solving. 	<p>SE: Addressed throughout the program. Sample citations follow: Accentuate the Negative 14-15 Variables and Patterns 30-31 Filling and Wrapping 70-71 Moving Straight Ahead 15-16 Stretching and Shrinking 7-9 Comparing and Scaling 6-7, 34, 49-51 Data Distributions 29-31 What Do You Expect? 7-8</p>
	<p>TG: Addressed throughout the program. Sample citations follow: Accentuate the Negative 29-30 Variables and Patterns 45-50 Filling and Wrapping 111 Moving Straight Ahead 38 Stretching and Shrinking 19-24 Comparing and Scaling 19-22, 52-56, 74-78 Data Distributions 46-50 What Do You Expect? 23-26</p>
<ul style="list-style-type: none"> • Solve problems that arise in mathematics and in other contexts. 	<p>SE: Addressed throughout the program. Sample citations follow: Accentuate the Negative 28-29 Variables and Patterns 24, 55-58 Filling and Wrapping 15-16, 67-68 Moving Straight Ahead 5-6 Stretching and Shrinking 17-26 Comparing and Scaling 15-16 Data Distributions 40-43 What Do You Expect? 18</p>
	<p>TG: Addressed throughout the program. Sample citations follow: Accentuate the Negative 45-48 Variables and Patterns 41, 81-83 Filling and Wrapping 34, 109-110 Moving Straight Ahead 16-18 Stretching and Shrinking 30-31 Comparing and Scaling 29-30 Data Distributions 55-57 What Do You Expect? 35</p>

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<ul style="list-style-type: none"> • Apply and adapt a variety of appropriate strategies to solve problems. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 46-47, 64-65 Variables and Patterns 54 Filling and Wrapping 36-37, 54-55 Moving Straight Ahead 6-7 Stretching and Shrinking 31-32 Comparing and Scaling 36-37 Data Distributions 13-15 What Do You Expect? 20-23</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 69-76, 91-96 Variables and Patterns 77-80 Filling and Wrapping 65-72, 91-92 Moving Straight Ahead 19-24 Stretching and Shrinking 51 Comparing and Scaling 61-64 Data Distributions 33-36 What Do You Expect? 38-42</p>
<ul style="list-style-type: none"> • Monitor and reflect on the process of mathematical problem solving. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 21, 41 Variables and Patterns 18 Filling and Wrapping 43-44 Moving Straight Ahead 11 Stretching and Shrinking 16 Comparing and Scaling 49-50 Data Distributions 38-39 What Do You Expect? 24</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 35, 61 Variables and Patterns 38-39 Filling and Wrapping 75 Moving Straight Ahead 31-34 Stretching and Shrinking 30 Comparing and Scaling 74-78 Data Distributions 55-60 What Do You Expect? 43-48</p>

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Reasoning and Proof	
<ul style="list-style-type: none"> • Recognize reasoning and proof as fundamental aspects of mathematics. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 27 Variables and Patterns 61 Filling and Wrapping 24, 52-53 Moving Straight Ahead 29-30, 73-74 Stretching and Shrinking 84 Comparing and Scaling 20-21 Data Distributions 57-59 What Do You Expect? 24-25</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 41-44 Variables and Patterns 84 Filling and Wrapping 51, 87-90 Moving Straight Ahead 55-60, 101-106 Stretching and Shrinking 103 Comparing and Scaling 39-42 Data Distributions 79-82 What Do You Expect? 43-48</p>
<ul style="list-style-type: none"> • Make and investigate mathematical conjectures. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 31 Variables and Patterns 31-32, 46-47, 77 Filling and Wrapping 20 Moving Straight Ahead 6-7 Stretching and Shrinking 25-27 Comparing and Scaling 35 Data Distributions 51 What Do You Expect? 40-41</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 53-56 Variables and Patterns 46-54, 65-66, 101 Filling and Wrapping 37-42 Moving Straight Ahead 19-24 Stretching and Shrinking 43-48 Comparing and Scaling 57-60 Data Distributions 70 What Do You Expect? 65-68</p>

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<ul style="list-style-type: none"> • Develop and evaluate mathematical arguments and proofs. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 21, 41 Variables and Patterns 29 Filling and Wrapping 18 Moving Straight Ahead 23, 45 Stretching and Shrinking 37 Comparing and Scaling 32 Data Distributions 27 What Do You Expect? 19</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 35, 61 Variables and Patterns 43 Filling and Wrapping 35 Moving Straight Ahead 40, 65 Stretching and Shrinking 53 Comparing and Scaling 50 Data Distributions 42-43 What Do You Expect? 38-42</p>
<ul style="list-style-type: none"> • Select and use various types of reasoning and methods of proof. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 27 Variables and Patterns 61 Filling and Wrapping 24, 52-53 Moving Straight Ahead 23, 45 Stretching and Shrinking 84 Comparing and Scaling 20-21 Data Distributions 57-59 What Do You Expect? 24</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 41-44 Variables and Patterns 84 Filling and Wrapping 51, 87-90 Moving Straight Ahead 40, 65 Stretching and Shrinking 103 Comparing and Scaling 39-42 Data Distributions 79-82 What Do You Expect? 43-48</p>

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Communication	
<ul style="list-style-type: none"> Organize and consolidate their mathematical thinking through communication. 	<p>SE: Addressed throughout the program. Sample citations follow: Accentuate the Negative 21, 59 Variables and Patterns 29, 63 Filling and Wrapping 18 Moving Straight Ahead 23 Stretching and Shrinking 20 Comparing and Scaling 47 Data Distributions 54 What Do You Expect? 19</p>
	<p>TG: Addressed throughout the program. Sample citations follow: Accentuate the Negative 35, 85 Variables and Patterns 43, 85 Filling and Wrapping 35 Moving Straight Ahead 40 Stretching and Shrinking 31 Comparing and Scaling 72 Data Distributions 71 What Do You Expect? 335-36</p>
<ul style="list-style-type: none"> Communicate their mathematical thinking coherently and clearly to peers, teachers, and others. 	<p>SE: Addressed throughout the program. Sample citations follow: Accentuate the Negative 41, 75 Variables and Patterns 48 Filling and Wrapping 31, 47 Moving Straight Ahead 69 Stretching and Shrinking 77 Comparing and Scaling 32 Data Distributions 27 What Do You Expect? 37</p>
	<p>TG: Addressed throughout the program. Sample citations follow: Accentuate the Negative 61, 101-102 Variables and Patterns 67 Filling and Wrapping 54, 77 Moving Straight Ahead 94 Stretching and Shrinking 89 Comparing and Scaling 50 Data Distributions 42-43 What Do You Expect? 58</p>

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<ul style="list-style-type: none"> • Analyze and evaluate the mathematical thinking and strategies of others. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 63 Variables and Patterns 22 Filling and Wrapping 37 Moving Straight Ahead 20, 89 Stretching and Shrinking 54-55 Comparing and Scaling 8-9, 19 Data Distributions 48 What Do You Expect? 13</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 87-90 Variables and Patterns 40 Filling and Wrapping 69-72 Moving Straight Ahead 39, 120 Stretching and Shrinking 72 Comparing and Scaling 23-26, 32-38 Data Distributions 69 What Do You Expect? 34</p>
<ul style="list-style-type: none"> • Use the language of mathematics to express mathematical ideas precisely. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 5-6 Variables and Patterns 7-9, 49-50 Filling and Wrapping 19 Moving Straight Ahead 55 Stretching and Shrinking 38, 25 Comparing and Scaling 49 Data Distributions 5 What Do You Expect? 5</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 9, 23 Variables and Patterns 23, 71 Filling and Wrapping 41 Moving Straight Ahead 87 Stretching and Shrinking 59 Comparing and Scaling 77 Data Distributions 23 What Do You Expect? 21</p>

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Connections	
<ul style="list-style-type: none"> • Recognize and use connections among mathematical ideas. 	<p>SE: Addressed throughout the program. Sample citations follow: Accentuate the Negative 19, 37-39 Variables and Patterns 58-60 Filling and Wrapping 28-29 Moving Straight Ahead 17-21, 63-66 Stretching and Shrinking 50-53 Comparing and Scaling 13-15 Data Distributions 49-51 What Do You Expect? 32-35</p>
	<p>TG: Addressed throughout the program. Sample citations follow: Accentuate the Negative 7, 34, 59-60 Variables and Patterns 83-84 Filling and Wrapping 53-54 Moving Straight Ahead 38-39, 92-93 Stretching and Shrinking 70-71 Comparing and Scaling 28-29 Data Distributions 69-70 What Do You Expect? 56-57</p>
<ul style="list-style-type: none"> • Understand how mathematical ideas interconnect and build on one another to produce a coherent whole. 	<p>SE: Addressed throughout the program. Sample citations follow: Accentuate the Negative 5-7 Variables and Patterns 23-25 Filling and Wrapping 5-7 Moving Straight Ahead 17-21, 46-48 Stretching and Shrinking 38-39 Comparing and Scaling 43-45 Data Distributions 21-23, 28-31 What Do You Expect? 14-17</p>
	<p>TG: Addressed throughout the program. Sample citations follow: Accentuate the Negative 7, 15-20 Variables and Patterns 8, 40-41 Filling and Wrapping 7 Moving Straight Ahead 9 Stretching and Shrinking 8 Comparing and Scaling 8 Data Distributions 11 What Do You Expect? 11</p>

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<ul style="list-style-type: none"> Recognize and apply mathematics in contexts outside of mathematics. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 17 Variables and Patterns 6-7 Filling and Wrapping 16 Moving Straight Ahead 2-3, 8-9 Stretching and Shrinking 69 Comparing and Scaling 5-6, 36-37 Data Distributions 51 What Do You Expect? 28</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 34 Variables and Patterns 16-20 Filling and Wrapping 34 Moving Straight Ahead 3, 25-30 Stretching and Shrinking 88 Comparing and Scaling 15-18, 61-64 Data Distributions 70 What Do You Expect? 55</p>
Representation	
<ul style="list-style-type: none"> Create and use representations to organize, record, and communicate mathematical ideas. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 5-7, 14-15 Variables and Patterns 30-31 Filling and Wrapping 7-8 Moving Straight Ahead 10-11, 51-53 Stretching and Shrinking 40-41 Comparing and Scaling 34 Data Distributions 13-15 What Do You Expect? 20-23</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 15-20, 29-32 Variables and Patterns 45-50 Filling and Wrapping 23-26 Moving Straight Ahead 31-34, 77-80 Stretching and Shrinking 61-64 Comparing and Scaling 52-56 Data Distributions 29-32 What Do You Expect? 38-42</p>

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<ul style="list-style-type: none"> • Select, apply, and translate among mathematical representations to solve problems. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 10-11, 40 Variables and Patterns 40 Filling and Wrapping 15 Moving Straight Ahead 20 Stretching and Shrinking 66 Comparing and Scaling 44 Data Distributions 13-15, 48 What Do You Expect? 35</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 21-24, 61 Variables and Patterns 63 Filling and Wrapping 33 Moving Straight Ahead 39 Stretching and Shrinking 78 Comparing and Scaling 71 Data Distributions 29-32, 69 What Do You Expect? 57</p>
<ul style="list-style-type: none"> • Use representations to model and interpret physical, social, and mathematical phenomena. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 5-6, 14-15 Variables and Patterns 5-6, 8-9 Filling and Wrapping 10-13 Moving Straight Ahead 52-53 Stretching and Shrinking 74-75 Comparing and Scaling 50-51 Data Distributions 57 What Do You Expect? 24-25</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 15-20, 29-32 Variables and Patterns 16-20 Filling and Wrapping 33 Moving Straight Ahead 77-80 Stretching and Shrinking 89 Comparing and Scaling 74-78 Data Distributions 79-82 What Do You Expect? 43-48</p>
Estimation and Mental Computation	
<ul style="list-style-type: none"> • Know and apply appropriate methods for estimating the results of computations. 	<p>SE: Stretching and Shrinking 6, 9, 78-83, 84-85, 87, 93 Comparing and Scaling 46, 55-57, 59</p>

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	TG: Stretching and Shrinking 91-102, 103 Comparing and Scaling 89-91
• Round numbers to a specified place value.	SE: Taught in Grade 6: Bits and Pieces I: 30, 32, 33
	TG: Taught in Grade 6: Bits and Pieces I: 74-75
• Use estimation to decide whether answers are reasonable.	SE: Stretching and Shrinking 78-83, 84-85, 87, 90-92, 93
	TG: Stretching and Shrinking 91-102, 103-105
• Decide when estimation is an appropriate strategy for solving a problem.	SE: Stretching and Shrinking 6, 9, 78-83, 84-85, 87, 93 Comparing and Scaling 46, 55-57, 59
	TG: Stretching and Shrinking 91-102, 103 Comparing and Scaling 89-91
• Determine appropriate accuracy and precision of measurement in problem situations.	SE: Taught in Grade 6: Shapes and Designs 32-37 Covering and Surrounding 71, 88
	TG: Taught in Grade 6: Shapes and Designs 51-52
• Use properties of numbers and operations to perform mental computation.	SE: Accentuate the Negative 30, 36, 45-49, 50- 53, 71, 78
	TG: Accentuate the Negative 49-52, 59, 63-80, 81-82, 100
• Recognize when the numbers involved in a computation allow for a mental computation strategy.	SE: Accentuate the Negative 30, 36, 45-49, 50- 53, 71, 78
	TG: Accentuate the Negative 49-52, 59, 63-80, 81-82, 100
Technology	
• Technology should be used as a tool in mathematics education to support and extend the mathematics curriculum.	SE: Addressed throughout the program. Sample citations follow: Accentuate the Negative 7, 15 Variables and Patterns 15, 64-68 Filling and Wrapping 70 Moving Straight Ahead 37 Stretching and Shrinking 9 Comparing and Scaling 51 Data Distributions 17 What Do You Expect? 27

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	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 10 Variables and Patterns 11, 87-94 Filling and Wrapping 10 Moving Straight Ahead 12 Stretching and Shrinking 11 Comparing and Scaling 11 Data Distributions 15, A1-A29 What Do You Expect? 14</p>
<ul style="list-style-type: none"> • Technology can contribute to concept development, simulation, representation, communication, and problem solving. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 15, 33 Variables and Patterns 23 Filling and Wrapping 66, 68 Moving Straight Ahead 33 Stretching and Shrinking 29 Comparing and Scaling 12 Data Distributions 47 What Do You Expect? 6</p>
	<p>TG: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 10 Variables and Patterns 11, 87-94 Filling and Wrapping 10 Moving Straight Ahead 12 Stretching and Shrinking 11 Comparing and Scaling 11 Data Distributions 15, A1-A29 What Do You Expect? 14</p>
<ul style="list-style-type: none"> • The challenge is to ensure that technology supports-but is not a substitute for- the development of skills with basic operations, quantitative reasoning, and problem solving skills. 	<p>SE: Addressed throughout the program. Sample citations follow:</p> <p>Accentuate the Negative 37 Variables and Patterns 58 Filling and Wrapping 53, 55 Moving Straight Ahead 16, 26 Stretching and Shrinking 68-69 Comparing and Scaling 25 Data Distributions 49 What Do You Expect? 45</p>

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	<p>TG: Addressed throughout the program. Sample citations follow: Accentuate the Negative 10 Variables and Patterns 11, 87-94 Filling and Wrapping 10 Moving Straight Ahead 12 Stretching and Shrinking 11 Comparing and Scaling 11 Data Distributions 15, A1-A29 What Do You Expect? 14</p>
<p>o Elementary students should learn how to perform thoroughly the basic arithmetic operations independent of the use of a calculator.</p>	<p>SE: Accentuate the Negative 22-30, 32-40, 41, 44-49, 50-58, 59</p>
	<p>TG: Accentuate the Negative 37-52, 57-61, 63-80, 81-85</p>
<p>o The focus must be on learning mathematics, using technology as a tool rather than as an end in itself.</p>	<p>SE: Addressed throughout the program. Sample citations follow: Accentuate the Negative 7 Variables and Patterns 64-68 Filling and Wrapping 10 Moving Straight Ahead 12, 16 Stretching and Shrinking 9 Comparing and Scaling 11 Data Distributions 17 What Do You Expect? 6, 27</p>
	<p>TG: Addressed throughout the program. Sample citations follow: Accentuate the Negative 10 Variables and Patterns 11, 87-94 Filling and Wrapping 10 Moving Straight Ahead 12 Stretching and Shrinking 11 Comparing and Scaling 11 Data Distributions 15, A1-A29 What Do You Expect? 14</p>
7.1 Standard 1 Number Sense and Computation	
<p>7.1.1 Read, write, compare and solve problems using whole numbers in scientific notation.</p>	<p>SE: Taught in Grade 8: Growing, Growing, Growing 17, 28, 55, 70-72, 81</p>
	<p>TG: Taught in Grade 8: Growing, Growing, Growing 42, 58, 95, 115-116</p>

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7.1.2 Recognize and compute whole number powers of positive integers.	SE: Taught in Grade 8: Growing, Growing, Growing 5-10, 11-19, 28-29 Frogs, Fleas, and Painted Cubes 44-45
	TG: Taught in Grade 8: Growing, Growing, Growing 20-38, 39-43, 58-59 Frogs, Fleas, and Painted Cubes 107
7.1.3 Recognize the prime factors of a number and find the prime factorization of whole numbers and write the results using exponents.	SE: Taught in Grade 8: Growing, Growing, Growing 6-7, 11-12
	TG: Taught in Grade 8: Growing, Growing, Growing 25-30, 39
7.1.4 Recognize or use prime and composite numbers to solve problems.	SE: Taught in Grade 6: Prime Time 4, 10-11, 15-16, 19, 21, 32-33, 51-52, 57-59, 66-67, 74
	TG: Taught in Grade 6: Prime Time 21-24, 31-32, 33-34, 50-51, 81-86, 93-94, 101
7.1.5 Recognize and use the inverse relationship between squaring and finding the square root of a perfect square integer.	SE: Taught in Grade 8: Growing, Growing, Growing 5-7 Frogs, Fleas, and Painted Cubes 44-45 Looking for Pythagoras 20-22, 24-29, 30
	TG: Taught in Grade 8: Growing, Growing, Growing 10, 20-30 Frogs, Fleas, and Painted Cubes 107-108 Looking for Pythagoras 39-46, 47-50
7.1.6 Identify, write, rename, compare and order rational and common irrational numbers and plot them on a number line.	SE: Accentuate the Negative 4-7, 10-11, 16-17, 21
	TG: Accentuate the Negative 15-24, 33, 35
7.1.7 Solve problems that involve multiplication and division with integers, fractions, decimals and combinations of the four operations.	SE: Accentuate the Negative 22-30, 32-40, 41, 44-49, 50-58, 59
	TG: Accentuate the Negative 37-52, 57-61, 63-80, 81-85
7.1.8 Solve problems involving percents. • Find the whole given a part and the percentage • Find percentage increase or decrease.	SE: Comparing and Scaling 13, 25
	TG: Comparing and Scaling 28, 47

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<p>7.1.9 Solve problems involving ratios and proportions.</p> <ul style="list-style-type: none"> • Express one quantity as a fraction of another, given their ratio, and vice versa. • Find how many times one quantity is as large as another, given their ratio, and vice versa. • Express one quantity as a fraction of another given the two quantities. • Find the whole, or one part, when a whole is divided into parts in a given ration. • Solve problems involving two pairs of equivalent ratios. 	<p>SE: Comparing and Scaling 5-9, 10-16, 18-23, 24-31, 33-39, 40-46, 48-54, 55-61, 68-69</p>
	<p>TG: Comparing and Scaling 15-26, 27-30, 32-46, 47-50, 52-68, 69-72, 74-88, 89-93</p>
7.2 Standard 2 Algebra and Functions	
<p>7.2.1 Use variables and appropriate operations to write an expression, equation or inequality that represents a verbal description.</p>	<p>SE: Variables and Patterns 50-54, 56-58, 62, 71, 73-75, 79, 82</p>
	<p>TG: Variables and Patterns 69-80, 81-84, 99-100, 102</p>
<p>7.2.2 Write and solve two-step linear equations and inequalities in one variable.</p>	<p>SE: Variables and Patterns 50-54, 56-58, 62, 71, 73-75, 79, 82</p>
	<p>TG: Variables and Patterns 69-80, 81-84, 99-100, 102</p>
<p>7.2.3 Evaluate numerical expressions and simplify algebraic expressions involving rational and irrational numbers.</p>	<p>SE: Accentuate the Negative 57 Variables and Patterns 57</p>
	<p>TG: Accentuate the Negative 84 Variables and Patterns 82-83</p>
<p>7.2.4 Solve an equation or formula with two variables for a particular variable.</p>	<p>SE: Moving Straight Ahead 76-77 Variables and Patterns 60-61</p>
	<p>TG: Moving Straight Ahead 111-114 Variables and Patterns 84-85</p>
<p>7.2.5 Find the slope of a line from its graph and relate the slope of a line to similar triangles.</p>	<p>SE: Moving Straight Ahead 72-74, 78-82</p>
	<p>TG: Moving Straight Ahead, 101-106, 115-120</p>
<p>7.2.6 Draw the graph of a line given its slope and one point on the line or two points on the line.</p>	<p>SE: Moving Straight Ahead 80, 82, 89</p>
	<p>TG: Moving Straight Ahead 116, 120</p>
<p>7.2.7 Identify situations that involve proportional relationships, draw graphs representing these situations and recognize that these situations are described by a linear function in the form $y = mx$ where the unit rate m is the slope of the line.</p>	<p>SE: Moving Straight Ahead 71-72, 75, 100 Comparing and Scaling 41-42</p>

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	TG: Moving Straight Ahead 96-110 Comparing and Scaling 70
7.3 Standard 3 Geometry and Measurement	
7.3.1 Identify and use basic properties of angles formed by transversals intersecting pairs of parallel lines.	SE: Stretching and Shrinking 50-51, 101, 103
	TG: Stretching and Shrinking 70
7.3.2 Identify, describe, and use transformations (translations, rotations, reflections and simple compositions of these transformations) to solve problems.	SE: Stretching and Shrinking 21-27, 28-33, 37, 58-65, 66-76, 77, 86-87, 101-102
	TG: Stretching and Shrinking 33-48, 49-53, 75-86, 87-89, 103
7.3.3 Draw two-dimensional patterns (nets) for three-dimensional objects, such as right prisms, pyramids, cylinders and cones.	SE: Filling and Wrapping 5-9, 10-13, 17, 18, 19, 25, 35-36, 41, 76, 78, 82
	TG: Filling and Wrapping 14-30, 31-33, 35, 65-68, 74
7.3.4 Recognize, describe, or extend geometric patterns using tables, graphs, words, or symbols.	SE: Variables and Patterns 43, 58, 60, 76-77, 84
	TG: Variables and Patterns 64, 83-84, 101
7.3.5 Identify, describe, and construct similarity relationships and solve problems involving similarity (including similar triangles) and scale drawings by using proportional reasoning.	SE: Stretching and Shrinking 21-27, 28-33, 37, 58-65, 66-76, 77, 86-87, 101-102 Comparing and Scaling 65-67
	TG: Stretching and Shrinking 33-48, 49-53, 75-86, 87-89, 103 Comparing and Scaling 92-93
7.3.6 Solve simple problems involving distance, speed and time. <ul style="list-style-type: none"> • Understand concepts of speed and average speed. • Understand the relationship between distance, time and speed. • Find speed, distance or time given the other two quantities. • Write speed in different units (km/h, m/s, cm/s, mi/hr, ft/sec). • Solve simple problems involving speed and average speed. 	SE: Comparing and Scaling 33, 35, 41, 52, 55, 62, 69
	TG: Comparing and Scaling 57-60, 70, 89, 92
7.4 Standard 4 Data Analysis and Probability	
7.4.1 Create, analyze and interpret data sets in multiple ways using bar graphs, frequency tables, line plots, histograms and circle graphs. Justify the choice of data display.	SE: Data Distributions 6-15, 16-27, 55-61, 62-73, 74-77, 78-85

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	TG: Data Distributions 20-36, 37-43, 74-92, 93-96, 115-117
7.4.2 Make predictions from statistical data and use proportions to make estimates about a population based on a sample.	SE: Data Distributions 6-15, 16-27, 55-61, 62-73, 74-77, 78-85
	TG: Data Distributions 20-36, 37-43, 74-92, 93-96, 115-117
7.4.3 Describe how additional data, particularly outliers, added to a data set may affect the mean, median and mode.	SE: Data Distributions 34-35, 40-43
	TG: Data Distributions 53-54, 61-66
7.4.4 Analyze data displays, including ways that they can be misleading. Analyze ways in which the wording of questions can influence survey results.	SE: Data Distributions 6-15, 16-27, 55-61, 62-73, 74-77, 78-85
	TG: Data Distributions 20-36, 37-43, 74-92, 93-96, 115-117
7.4.5 Understand that when all outcomes of an experiment are equally likely, the theoretical probability of an event is the fraction of outcomes in which the event occurs. Use theoretical probability and proportions to make approximate predictions.	SE: What Do You Expect? 5-9, 10-18, 20-26, 27-36, 38-42, 43-48, 50-53, 54-59, 67, 69
	TG: What Do You Expect? 18-32, 33-36, 38-54, 55-58, 60-72, 73-77, 79-90, 91-95