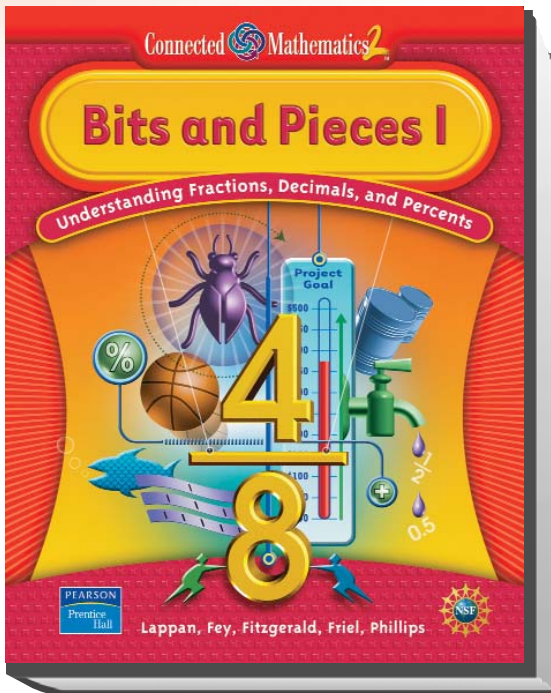


# Prentice Hall

## *Connected Mathematics 2,*

### *6th Grade Units © 2009*



C O R R E L A T E D T O

Indiana Math Standards Final Draft from March 2009

Grade 6

PEARSON

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<b>Indiana Math Standards Final Draft from March 2009, to Grade 6</b>	<b>Prentice Hall Connected Mathematics 2, 6th Grade Units © 2009</b>
<b>Problem Solving</b>	
<ul style="list-style-type: none"> <li>• Build new mathematical knowledge through problem solving.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 12-15, 28-31  Bits and Pieces II: 12-13  Bits and Pieces III: 45-47  Prime Time: 23-24  Data About Us: 38-39  How Likely Is It?: 6-7  Covering and Surrounding: 10-11  Shapes and Designs: 58-59, 70-75,</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 41, 73-74  Bits and Pieces II: 32-33  Bits and Pieces III: 81  Prime Time: 36-40  Data About Us: 63-66  How Likely Is It?: 15-20  Covering and Surrounding: 3-34  Shapes and Designs: 71-74, 83-94</p>
<ul style="list-style-type: none"> <li>• Solve problems that arise in mathematics and in other contexts.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 22-23  Bits and Pieces II: 40  Bits and Pieces III: 69-70  Prime Time: 51-52  Data About Us: 32-33  How Likely Is It: 22, 24-25  Covering and Surrounding: 14-18, 77  Shapes and Designs: 42-45</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 51-56  Bits and Pieces II: 85  Bits and Pieces III: 114  Prime Time: 81-86  Data About Us: 47-52  How Likely Is It: 37-40, 45-48  Covering and Surrounding: 34-36, 123-128  Shapes and Designs:</p>

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<ul style="list-style-type: none"> <li>• Apply and adapt a variety of appropriate strategies to solve problems.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 32-33            Bits and Pieces II: 6-7            Bits and Pieces III: 44-45            Prime Time: 9-10            Data About Us: 43-44, 50-51            How Likely Is It: 39-40, 60-61            Covering and Surrounding: 33-35            Shapes and Designs: 67-68</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 75-76            Bits and Pieces II: 20-24            Bits and Pieces III: 80            Prime Time: 21-24            Data About Us: 69, 75-80            How Likely Is It: 61-62, 83-86            Covering and Surrounding: 58-59            Shapes and Designs: 80-81</p>
<ul style="list-style-type: none"> <li>• Monitor and reflect on the process of mathematical problem solving.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 8, 24, 42            Bits and Pieces II: 54            Bits and Pieces III: 24-25            Prime Time: 40            Data About Us: 54-55            How Likely Is It: 46-47            Covering and Surrounding: 44-45            Shapes and Designs: 39</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 29-34, 63-66, 91-96            Bits and Pieces II: 109-111            Bits and Pieces III: 47-50            Prime Time: 63-66            Data About Us: 87-90            How Likely Is It: 72            Covering and Surrounding: 83            Shapes and Designs: 53-56</p>

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Reasoning and Proof	
<ul style="list-style-type: none"> <li>Recognize reasoning and proof as fundamental aspects of mathematics.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 13-15, 40-42            Bits and Pieces II: 8-9, 45-46            Bits and Pieces III: 52-54            Prime Time: 60            Data About Us: 48            How Likely Is It: 54            Covering and Surrounding: 18            Shapes and Designs: 82</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 41-42, 85-96            Bits and Pieces II: 25-30, 87            Bits and Pieces III: 89-96            Prime Time: 94            Data About Us: 71            How Likely Is It: 74            Covering and Surrounding: 36            Shapes and Designs: 97</p>
<ul style="list-style-type: none"> <li>Make and investigate mathematical conjectures.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 40, 49            Bits and Pieces II: 24, 28            Bits and Pieces III: 46            Prime Time: 24-25            Data About Us: 36-37            How Likely Is It: 44-49            Covering and Surrounding: 66            Shapes and Designs: 54-61</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 85-90, 109            Bits and Pieces II: 55, 57            Bits and Pieces III: 81            Prime Time: 41-44            Data About Us: 57-62            How Likely Is It: 71-74            Covering and Surrounding: 107            Shapes and Designs: 63-78</p>

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<ul style="list-style-type: none"> <li>• Develop and evaluate mathematical arguments and proofs.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 28-29, 47-50            Bits and Pieces II: 8-9            Bits and Pieces III: 52-54, 73            Prime Time: 60            Data About Us: 7            How Likely Is It: 61            Covering and Surrounding: 52            Shapes and Designs: 50</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 73-74, 107-109            Bits and Pieces II: 25-30            Bits and Pieces III: 89-92, 115            Prime Time: 94            Data About Us: 17-20            How Likely Is It: 83-86            Covering and Surrounding: 86            Shapes and Designs: 60</p>
<ul style="list-style-type: none"> <li>• Select and use various types of reasoning and methods of proof.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 53            Bits and Pieces II: 15, 31            Bits and Pieces III: 39            Prime Time: 9-10, 24            Data About Us: 46-47            How Likely Is It: 29            Covering and Surrounding: 18            Shapes and Designs: 82</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 111            Bits and Pieces II: 33, 58            Bits and Pieces III: 65-70            Prime Time: 21-24, 36-40            Data About Us: 71            How Likely Is It: 53-54            Covering and Surrounding: 36            Shapes and Designs: 97</p>

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Communication	
<ul style="list-style-type: none"> <li>• Organize and consolidate their mathematical thinking through communication.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 68  Bits and Pieces II: 15, 31, 47  Bits and Pieces III: 20  Prime Time: 21  Data About Us: 6  How Likely Is It: 43  Covering and Surrounding: 36  Shapes and Designs: 23</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 135  Bits and Pieces II: 33, 58, 88  Bits and Pieces III: 35  Prime Time: 34  Data About Us: 17-20  How Likely Is It: 67-70  Covering and Surrounding: 59  Shapes and Designs: 34</p>
<ul style="list-style-type: none"> <li>• Communicate their mathematical thinking coherently and clearly to peers, teachers, and others.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 18, 34, 53  Bits and Pieces II: 62  Bits and Pieces III: 35  Prime Time: 36  Data About Us: 29  How Likely Is It: 38  Covering and Surrounding: 18  Shapes and Designs: 53</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 43, 76 , 111  Bits and Pieces II: 118  Bits and Pieces III: 59  Prime Time: 51-52  Data About Us: 45  How Likely Is It: 57  Covering and Surrounding: 36  Shapes and Designs: 61</p>

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<ul style="list-style-type: none"> <li>• Analyze and evaluate the mathematical thinking and strategies of others.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 56            Bits and Pieces II: 60            Bits and Pieces III: 49, 61            Prime Time: 46, 57            Data About Us: 28            How Likely Is It: 32            Covering and Surrounding: 17            Shapes and Designs: 67</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 113-118            Bits and Pieces II: 118            Bits and Pieces III: 82, 98-99            Prime Time: 77, 93            Data About Us: 45            How Likely Is It: 56            Covering and Surrounding: 36            Shapes and Designs: 80</p>
<ul style="list-style-type: none"> <li>• Use the language of mathematics to express mathematical ideas precisely.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 6            Bits and Pieces II: 21            Bits and Pieces III: 38            Prime Time: 37-38            Data About Us: 9, 37            How Likely Is It: 11, 21            Covering and Surrounding: 76            Shapes and Designs: 38-39</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 17            Bits and Pieces II: 45-50            Bits and Pieces III: 69            Prime Time: 57            Data About Us: 25, 61            How Likely Is It: 31 39            Covering and Surrounding: 127            Shapes and Designs: 55</p>

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Connections	
<ul style="list-style-type: none"> <li>• Recognize and use connections among mathematical ideas.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 15-16, 31-32  Bits and Pieces II: 12-14, 26-28  Bits and Pieces III: 69-70  Prime Time: 32-33  Data About Us: 57-61  How Likely Is It: 16-18  Covering and Surrounding: 31-34  Shapes and Designs: 65-67</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 42, 75  Bits and Pieces II: 32-33, 56-57  Bits and Pieces III: 114  Prime Time: 50-51  Data About Us: 92-93  How Likely Is It: 34-35  Covering and Surrounding: 58-59  Shapes and Designs: 79-80</p>
<ul style="list-style-type: none"> <li>• Understand how mathematical ideas interconnect and build on one another to produce a coherent whole.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 51-52  Bits and Pieces II: 45-46  Bits and Pieces III: 16-17, 31-32  Prime Time: 16-18, 44-45  Data About Us: 24-25  How Likely Is It: 48-52  Covering and Surrounding: 65-66  Shapes and Designs: 20-21</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 9, 110  Bits and Pieces II: 13, 87  Bits and Pieces III: 9, 34, 58-59  Prime Time: 10, 32-33, 72  Data About Us: 9, 43-44  How Likely Is It: 8, 73-74  Covering and Surrounding: 10, 107  Shapes and Designs: 11, 33</p>

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<ul style="list-style-type: none"> <li>• Recognize and apply mathematics in contexts outside of mathematics.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:</p> <p>Bits and Pieces I: 2            Bits and Pieces II: 19-21, 29            Bits and Pieces III: 22-23, 36-37            Prime Time: 2-3            Data About Us: 2            How Likely Is It: 43            Covering and Surrounding: 28            Shapes and Designs: 49</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:</p> <p>Bits and Pieces I: 14            Bits and Pieces II: 35-40, 57            Bits and Pieces III: 42, 62-64            Prime Time: 15            Data About Us: 15            How Likely Is It: 67-70            Covering and Surrounding: 57            Shapes and Designs: 60</p>
<b>Representation</b>	
<ul style="list-style-type: none"> <li>• Create and use representations to organize, record, and communicate mathematical ideas.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:</p> <p>Bits and Pieces I: 47-48            Bits and Pieces II: 24, 28, 40            Bits and Pieces III: 16            Prime Time: 20            Data About Us: 30-33            How Likely Is It: 6-7            Covering and Surrounding: 26            Shapes and Designs: 43</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:</p> <p>Bits and Pieces I: 107-108            Bits and Pieces II: 55, 57, 85            Bits and Pieces III: 34            Prime Time: 34            Data About Us: 47-52            How Likely Is It: 15-20            Covering and Surrounding: 55-57            Shapes and Designs: 58</p>

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<ul style="list-style-type: none"> <li>• Select, apply, and translate among mathematical representations to solve problems.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:</p> <p>Bits and Pieces I: 14            Bits and Pieces II: 37            Bits and Pieces III: 21-23, 43, 65-66            Prime Time: 50-52            Data About Us: 17            How Likely Is It: 39-40            Covering and Surrounding: 51            Shapes and Designs: 43</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:</p> <p>Bits and Pieces I: 41            Bits and Pieces II: 75-80            Bits and Pieces III: 37-42, 79, 109-112            Prime Time: 75-80            Data About Us: 31-36            How Likely Is It: 59-62            Covering and Surrounding: 86            Shapes and Designs: 58</p>
<ul style="list-style-type: none"> <li>• Use representations to model and interpret physical, social, and mathematical phenomena.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:</p> <p>Bits and Pieces I: 36-38, 40-41            Bits and Pieces II: 34-35            Bits and Pieces III: 58            Prime Time: 25            Data About Us: 18-20            How Likely Is It: 57-58            Covering and Surrounding: 50            Shapes and Designs: 14-15</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:</p> <p>Bits and Pieces I: 79-90            Bits and Pieces II: 65-70            Bits and Pieces III: 98            Prime Time: 41, 43            Data About Us: 37-40            How Likely Is It: 79-82            Covering and Surrounding: 86            Shapes and Designs: 27</p>

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<b>Estimation and Mental Computation</b>	
<ul style="list-style-type: none"> <li>• Know and apply appropriate methods for estimating the results of computations.</li> </ul>	<b>SE:</b> Bits and Pieces II: 8-9, 10-12, 15 Bits and Pieces III: 5-7
	<b>TG:</b> Bits and Pieces II: 25-30, 31-33 Bits and Pieces III: 16-20
<ul style="list-style-type: none"> <li>• Round numbers to a specified place value.</li> </ul>	<b>SE:</b> Bits and Pieces I: 30, 32, 33
	<b>TG:</b> Bits and Pieces I: 74-75
<ul style="list-style-type: none"> <li>• Use estimation to decide whether answers are reasonable.</li> </ul>	<b>SE:</b> Bits and Pieces II: 9, 36-38, 54, 55-56 Bits and Pieces III: 21-22, 24-25, 28, 33, 38-39
	<b>TG:</b> Bits and Pieces II: 25-30, 115-116 Bits and Pieces III: 37-42, 47-50, 557, 59, 65-70
<ul style="list-style-type: none"> <li>• Decide when estimation is an appropriate strategy for solving a problem.</li> </ul>	<b>SE:</b> Addressed throughout the program. Sample citations follow: Bits and Pieces I: 49, 63 Bits and Pieces II: 5-7, 35-38 Bits and Pieces III: 21-26 Data About Us: 28 Covering and Surrounding: 70-71, 78-79 Shapes and Designs: 29-31, 84-85
	<b>TG:</b> Addressed throughout the program. Sample citations follow: Bits and Pieces I: 109, 133 Bits and Pieces II: 20-24, 65-74 Bits and Pieces III: 41-56 Data About Us: 45 Covering and Surrounding: 110-114, 129 Shapes and Designs: 41-44, 97
<ul style="list-style-type: none"> <li>• Determine appropriate accuracy and precision of measurement in problem situations.</li> </ul>	<b>SE:</b> Shapes and Designs 32-37 Covering and Surrounding 71, 88
	<b>TG:</b> Shapes and Designs 51-52
<ul style="list-style-type: none"> <li>• Use properties of numbers and operations to perform mental computation.</li> </ul>	<b>SE:</b> Prime Time 26, 31
	<b>TG:</b> Prime Time 41-44, 50
<ul style="list-style-type: none"> <li>• Recognize when the numbers involved in a computation allow for a mental computation strategy.</li> </ul>	<b>SE:</b> Bits and Pieces II: 5-9, 10-11, 15 Bits and Pieces III: 5-7 Prime Time 26, 31
	<b>TG:</b> Bits and Pieces II: 20-30, 31-33 Bits and Pieces III: 16-20 Prime Time 41-44, 50

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<b>Technology</b>	
<ul style="list-style-type: none"> <li>Technology should be used as a tool in mathematics education to support and extend the mathematics curriculum.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 14            Bits and Pieces II: 43, 57            Bits and Pieces III: 57            Prime Time: 15            Data About Us: 39            How Likely Is It?: 13            Covering and Surrounding: 29, 84            Shapes and Designs: 75</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 12            Bits and Pieces II: 16            Bits and Pieces III: 12            Prime Time: 13            Data About Us: 12            How Likely Is It?: 11            Covering and Surrounding: 14            Shapes and Designs: 14</p>
<ul style="list-style-type: none"> <li>Technology can contribute to concept development, simulation, representation, communication, and problem solving.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I: 64            Bits and Pieces II: 11            Bits and Pieces III: 45            Prime Time: 31            Data About Us: 43, 25            How Likely Is It?: 14            Covering and Surrounding: 14, 83            Shapes and Designs: 73</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:            Bits and Pieces I:            Bits and Pieces I: 12            Bits and Pieces II: 16            Bits and Pieces III: 12            Prime Time: 13            Data About Us: 12            How Likely Is It?: 11            Covering and Surrounding: 14            Shapes and Designs: 14</p>

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<ul style="list-style-type: none"> <li>• 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.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I:  Bits and Pieces II: 25  Bits and Pieces III: 13  Prime Time: 43, 55  Data About Us: 13  How Likely Is It?: 29, 61  Covering and Surrounding: 45  Shapes and Designs: 77</p>
	<p><b>TG:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 12  Bits and Pieces II: 16  Bits and Pieces III: 12  Prime Time: 13  Data About Us: 12  How Likely Is It?: 11  Covering and Surrounding: 14  Shapes and Designs: 14</p>
<ul style="list-style-type: none"> <li>o Elementary students should learn how to perform thoroughly the basic arithmetic operations independent of the use of a calculator.</li> </ul>	<p><b>SE:</b> Bits and Pieces II 16-31, 32-47, 48-62, 63-64  Bits and Pieces III  8-20,21-35,36-49,50-61,62-73,74-75</p>
	<p><b>TG:</b> Bits and Pieces II 34-37, 39-43, 45-54, 55-58,59-67, 69-77, 79-84, 85-88, 89-99, 101-105, 107-111, 113-114, 115-119  Bits and Pieces III 15, 19-32, 33-35, 36-39, 41-53, 55-56, 57-59, 60-67, 69-78, 79-82, 83-96, 97-99, 100-101, 103-105, 107-109, 113-116, 117-119</p>
<ul style="list-style-type: none"> <li>o The focus must be on learning mathematics, using technology as a tool rather than as an end in itself.</li> </ul>	<p><b>SE:</b> Addressed throughout the program. Sample citations follow:  Bits and Pieces I: 23  Bits and Pieces II: 10  Bits and Pieces III: 67  Prime Time: 57  Data About Us: 9  How Likely Is It?: 31, 45, 58  Covering and Surrounding: 47  Shapes and Designs: 63</p>

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	<b>TG:</b> Addressed throughout the program. Sample citations follow: Bits and Pieces I: 12 Bits and Pieces II: 16 Bits and Pieces III: 12 Prime Time: 13 Data About Us: 12 How Likely Is It?: 11 Covering and Surrounding: 14 Shapes and Designs: 14
<b>Standard 1 Number Sense and Computation</b>	
6.1.1 Compare, order, and represent on a number line positive and negative integers, fractions, decimals (to hundredths), and mixed numbers.	<b>SE:</b> Bits and Pieces I 22-34, 45-46, 50
	<b>TG:</b> Bits and Pieces I 51-69, 71-72, 73-76, 77, 101-103, 105-106
6.1.2 Interpret the absolute value of a number as the distance from zero on a number line, find the absolute value of real numbers, and know that the distance between two numbers on the number line is the absolute value of their difference.	<b>SE:</b> Taught in Grade 7: Accentuate the Negative 22-28
	<b>TG:</b> Accentuate the Negative 36-44
6.1.3 Use percents to represent parts of a whole and find the percentage part of a whole.	<b>SE:</b> Bits and Pieces I 54-60, 61-64, 67-68
	<b>TG:</b> Bits and Pieces I 113-132, 133-135
6.1.4 Recognize commonly used fractions, decimals, and percents and their equivalents and convert between any two representations of any non-negative rational number without the use of a calculator.	<b>SE:</b> Bits and Pieces I 19-23, 28-29
	<b>TG:</b> Bits and Pieces I 46-56
6.1.5 Solve problems involving addition, subtraction, multiplication and division of integers and represent computation with integers on a number line. Describe the effect of operations with numbers less than zero.	<b>SE:</b> Bits and Pieces II 8-11, 16-23, 33, 35-38, 41 Bits and Pieces III 5-12, 13-15, 17-19, 22-25, 33
	<b>TG:</b> Bits and Pieces II 29-30, 35-54, 65-82 Bits and Pieces III 16-22, 19-32, 34-35, 37-50

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6.1.6 Solve problems involving addition, subtraction, multiplication and division of positive fractions and decimals and explain why a particular operation was used for a given situation.	<b>SE:</b> Bits and Pieces II 8-11, 16-23, 33, 35-38, 41 Bits and Pieces III 5-12, 13-15, 17-19, 22-25, 33
	<b>TG:</b> Bits and Pieces II 29-30, 35-54, 65-82 Bits and Pieces III 16-22, 19-32, 34-35, 37-50
6.1.7 Interpret ratios, model ratios, and use ratios to show the relative sizes of two quantities. • Use the notations: $a/b$ , $a$ to $b$ and $a:b$ . • Write equivalent ratios, • Express a ratio in its simplest form. • Find the ratio of two given quantities.	<b>SE:</b> Can be developed from: Bits and Pieces I 27, 32, 59, 61-63, 76
	<b>TG:</b> Can be developed from: Bits and Pieces I 44-76
6.1.8 Recognize proportional relationships and solve problems involving proportional relationships. Find the missing term in a pair of equivalent ratios and find one quantity given the other quantity and their ratio.	<b>SE:</b> Can be developed from: Bits and Pieces I 27, 32, 59, 61-63, 76
	<b>TG:</b> Can be developed from: Bits and Pieces I 44-76
6.1.9 Solve simple percent, ratio and proportion problems, including problems involving discounts at sales, interest earned and tips.	<b>SE:</b> Bits and Pieces III 51-53, 55-56, 59, 61, 62-64
	<b>TG:</b> Bits and Pieces III 89-96, 97-99
<b>Standard 2 Algebra and Functions</b>	
6.2.1 Write and solve one-step linear equations and inequalities in one variable.	<b>SE:</b> Taught in Grade 7: Variables and Patterns 50-51, 53-54, 56-58, 62, 71, 73-75, 79, 82
	<b>TG:</b> Taught in Grade 7: Variables and Patterns 69-76, 81-83, 99-100
6.2.2 Write and use formulas with up to three variables to solve problems.	<b>SE:</b> Covering and Surrounding: 9, 46, 56-57, 93-96
	<b>TG:</b> Covering and Surrounding: 27-32, 84
6.2.3 Apply the correct order of operations and the properties of real numbers [identity, inverse, commutative, associative and distributive properties] to evaluate numerical expressions, including those that use grouping symbols such as parentheses. Justify each step in the process.	<b>SE:</b> Prime Time 26, 31
	<b>TG:</b> Prime Time 41-44, 50

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6.2.4 Identify and graph ordered pairs in all four quadrants of the coordinate plane.	<b>SE:</b> Can be developed from: Data About Us 36-39, 42, 46
	<b>TG:</b> Can be developed from: Data About Us 57-66, 68, 71
6.2.5 Solve problems involving linear functions with integer values. Create a table and graph the resulting ordered pairs of integers on a grid. Look for patterns in how a change in one variable relates to a change in the second variable and write the equation.	<b>SE:</b> Can be developed from: Data About Us 3, 6-39, 42, 46
	<b>TG:</b> Can be developed from: Data About Us 57-66, 68, 71
<b>Standard 3 Geometry and Measurement</b>	
6.3.1 Identify, draw and use the properties of vertical, adjacent, complementary, and supplementary angles, and properties of triangles and quadrilaterals, to solve problems involving a missing angle.	<b>SE:</b> Shapes and Designs 38-39, 54-61, 63, 66, 69, 80
	<b>TG:</b> Shapes and Designs 53-56, 57-61, 65-70, 79-81
6.3.2 Recognize that the sum of the interior angles of any triangle is $180^\circ$ and that the sum of the interior angles of any quadrilateral is $360^\circ$ . Use this information to solve problems.	<b>SE:</b> Shapes and Designs 54-57, 63, 66, 69, 80
	<b>TG:</b> Shapes and Designs 65-70, 79-81
6.3.3 Develop and use the formulas for the circumference and area of a circle.	<b>SE:</b> Covering and Surrounding 72-75, 83-85
	<b>TG:</b> Covering and Surrounding 115-118, 130-131
6.3.4 Recognize that real-world measurements are approximations. Identify appropriate instruments and units for a given measurement situation, taking into account the precision of the measurement desired.	<b>SE:</b> Shapes and Designs 32-37 Covering and Surrounding 71, 88
	<b>TG:</b> Shapes and Designs 51-52
6.3.5 Develop and use the formulas for the surface area and volume of a cylinder and find the surface area and volume of three-dimensional objects built from rectangular solids and cylinders.	<b>SE:</b> Surface Area Can Be Developed from: Covering and Surrounding 8-9, 12-17, 18, 26-35
	<b>TG:</b> Covering and Surrounding 27-29, 34-36, 55-59

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<b>Standard 4 Data Analysis and Probability</b>	
6.4.1 Construct and analyze circle graphs and stem-and-leaf plots. Examples: • Display the following data in a stem-and-leaf plot: \$126; \$118; \$100; \$98; \$95; \$138; \$101; \$116. Write a sentence that summarized the data. • Would a circle graph be a useful way to display this data?	<b>SE:</b> Bits and Pieces III: 65-66 Data About US: 30-35, 40, 43-44, 48, 60, 62, 67, 73
	<b>TG:</b> Bits and Pieces III: 8, 111-112 Data About Us: 47-56, 67, 69-71, 92, 94
6.4.2 Choose the appropriate display for a single variable set of data from bar graphs, line graphs, circle graphs and stem-and-leaf plots. Justify the choice of data display.	<b>SE:</b> Data About US: 8-9, 14-17, 18-19, 21-22, 24-27
	<b>TG:</b> Data About US: 17-20, 31-44
6.4.3 Compare the mean, median and mode for a set of data and explain which measure is most appropriate in a given context.	<b>SE:</b> Data About US: 4, 9-13, 17, 20, 21-22, 25, 29, 33, 40, 42, 47, 48, 49-55, 56-62, 63, 65-67, 71
	<b>TG:</b> Data About US: 21-39, 41-42, 44-45, 67-68, 71, 74-90, 91-95
6.4.4 Solve problems involving probability as a measure of chance and verify that the probabilities computed are reasonable.	<b>SE:</b> How Likely Is It? 5-10, 13-16, 21-26, 28-34, 36-37, 39-42
	<b>TG:</b> How Likely Is It? 4, 19-28, 33-35, 37-48, 59-66
6.4.5 Recognize and represent probabilities as ratios, measures of relative frequency, decimals between 0 and 1, and percentages between 0 and 100.	<b>SE:</b> How Likely Is It? 5-10, 21-26, 28-34, 36-37, 39-42
	<b>TG:</b> How Likely Is It? 4, 19-28, 33-35, 37-48, 59-66