


































2022-2023 TABE Level E: ABE Mathematics Alignment



Standards / Benchmark Skills	Textbook Standard Alignment/TABE Emphasis Level: (Low) (Medium) (High)	<i>TABE Mastery New Readers Press</i>	<i>Scoreboost for TABE</i>	<i>TABE Tutor</i>	<i>TABE Tutor Practice</i>	<i>TABE ACADEMY</i>	Resources
NUMBER and OPERATIONS IN BASE TEN (28% of Test)							
<p>MA.ABE.1.2.1: Understand place value of three-digit numbers</p>	<p>2.NBT.1(b) (Low): Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones.</p> <p>2.NBT.3 (Low): Read and write numbers to 1000 using numerals, number names, and expanded form.</p>	<p>Unit 1 – Lesson 1: Read and Write Whole Numbers Pg.14-17</p>	<p>Book 1 – Unit 1 – Strategy 1: Read and Write Whole Numbers Pg.4-5</p>	<p>Unit 1 – Lesson 1: Place Value Pg.2-4</p> <p>Unit 1 – Lesson 2: 3-Digit Numbers Pg.4-5</p> <p>Unit 1 – Lesson 3: Standard Form & Expanded Form Pg.6-7</p>	<p>Book 1 – Unit 1- Practice 1: Place Value Pg.2-3</p> <p>Book 1 – Unit 1- Practice 2: 3-Digit Numbers Pg.4-5</p> <p>Book 1 – Unit 1- Practice 3: Standard Form & Expanded Form Pg.6-7</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Introduction to Decimals • Decimals Test-Out Quiz • Decimals Unit Quiz • Place Value • Understanding Whole Numbers Test-Out Quiz • Understanding Whole Numbers Unit Quiz • Writing Whole Numbers • Understanding Whole Numbers Test-Out Quiz 	<p> 3Digit Base 10.pdf</p> <p> Groups of 100.pdf</p> <p> Place Value.pdf</p> <p> Standard-Expanded Form.pdf</p> <p> Standard-Expanded Form 2.pdf</p> <p> Number System.pdf</p>
<p>MA.ABE.1.2.1: Understand place value of three-digit numbers</p>	<p>2.NBT.2 (Medium): Count within 1000 by 5s, 10s, and 100s.</p>	<p>Unit 1 – Lesson 2: Skip Count by Fives, Tens, and Hundreds Pg.18-21</p>	<p>Book 1 – Unit 1 – Strategy 2: Skip Count by Fives, Tens, and Hundreds Pg.6-7</p>	<p style="background-color: yellow;">Lesson 13 will be covered in Operations and Algebraic Thinking</p>	<p style="background-color: yellow;">Lesson 13 will be covered in Operations and Algebraic Thinking</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Skip Counting • Understanding Whole Numbers Test-Out Quiz • Understanding Whole Numbers Unit Quiz • Number and Shape Patterns 	<p> Skip Count.pdf</p> <p> Skip Count 2.pdf</p>

<p>MA.ABE.1.2.1: Understand place value of three-digit numbers</p>	<p>2.NBT.4 (Medium): Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using greater than (>), equal to (=), and less than (<) symbols to record the results of comparisons.</p>	<p>Unit 1 – Lesson 3: Compare Three-Digit Numbers Pg.22-25</p>	<p>Book 1 – Unit 1 – Strategy 3: Compare Three-Digit Numbers Pg.8-9</p>	<p>Unit 1 – Lesson 4: Compare 3-Digit Numbers Pg.8-9</p>	<p>Book 1 – Unit 1- Practice 4: Compare 3-Digit Numbers Pg.8-9</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Comparing Whole Numbers • Understanding Whole Numbers Test-Out Quiz • Understanding Whole Numbers Unit Quiz 	<p> compare 3digits.pdf</p> <p> Compare 3-digit worksheet.pdf</p> <p> Ordering Numbers.pdf</p>
<p>MA.ABE.1.2.3 Use place value understanding and properties of operations to perform multi-digit arithmetic.</p>	<p>3.NBT.1 (Medium): Use place value to round whole numbers to the nearest 10 or 100.</p>	<p>Unit 1 – Lesson 4: Round to Tens and Hundreds Pg.26-29</p>	<p>Book 1 – Unit 1 – Strategy 4: Round to Tens and Hundreds Pg.10-11</p>	<p>Unit 1 – Lesson 5: Round to the Nearest Ten or Hundred Pg.10-11</p>	<p>Book 1 – Unit 1- Practice 5: Round to the Nearest Ten or Hundred Pg.10-11</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Introduction to Decimals • Decimals Test-Out Quiz • Decimals Unit Quiz • Place Value • Rounding Whole Numbers • Understanding Whole Numbers Test-Out Quiz • Understanding Whole Numbers Unit Quiz 	<p> Rounding.pdf</p>
<p>MA.ABE.1.2.3 Use place value understanding and properties of operations to perform multi-digit arithmetic.</p> <p>MA.ABE.1.2.2 Use place value understanding and properties of operations to add and subtract within 1000.</p>	<p>3.NBT.2 (Low): Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.NBT.6 (Medium): Add up to four two-digit numbers using strategies based on place value and properties of operations.</p> <p>2.NBT.7 (Medium): Use concrete models, drawings,</p>	<p>Unit 1 – Lesson 5: Add Up to 1,000 Pg.30-34</p> <p>Unit 1 – Lesson 6: Add Multiple Two-Digit Numbers Pg.35-39</p> <p>Unit 1 – Lesson 7: Subtract Numbers up to Three Digits Pg.40-43</p>	<p>Book 1 – Unit 1 – Strategy 5: Add Up to 1,000 Pg.12-15</p> <p>Book 1 – Unit 1 – Strategy 6: Add Multiple Two-Digit Numbers Pg.16-18</p> <p>Book 1 – Unit 1 – Strategy 7: Subtract Numbers up to Three Digits Pg.19-22</p>	<p>Unit 2 – Lesson 6: 2-Digit Addition Pg.14-15</p> <p>Unit 2 – Lesson 7: Use the Break Apart Strategy to Add 3-Digit Numbers Pg.16-17</p> <p>Unit 2 – Lesson 8: Use Place Value to Add 3-Digit Numbers Pg.18-19</p>	<p>Book 1 – Unit 2- Practice 6: 2-Digit Addition Pg.14-15</p> <p>Book 1 – Unit 2- Practice 7: Use the Break Apart Strategy to Add 3-Digit Numbers Pg.16-17</p> <p>Book 1 – Unit 2- Practice 8: Use Place Value to Add 3-Digit Numbers Pg.18-19</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Flash Cards: Adding and Subtracting Single-Digit Whole Numbers • Adding Whole Numbers • Subtracting Whole Numbers • Flash Cards: Adding and Subtracting within 20 • Whole Numbers and Operations Test-Out Quiz • Whole Numbers and Operations Unit Quiz 	<p> Addition.pdf</p> <p> Add Multiple Numbers.pdf</p> <p> Add 3Adds.pdf</p> <p> Add Word Problems.pdf</p>




	<p>and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, sometimes it is necessary to compose (put together) or decompose (take apart) tens or hundreds.</p>			<p>Unit 2 – Lesson 9: Use Drawings and Equations to Add Pg.20-21</p> <p>Unit 2 – Lesson 10: Use Models to Subtract Pg.22-23</p> <p>Unit 2 – Lesson 11: Use Place Value to Subtract 3-Digit Numbers Pg.24-25</p> <p>Unit 2 – Lesson 12: Use Drawings & Equations to Solve Two Step Problems Pg.26-27</p>	<p>Book 1 – Unit 2- Practice 9: Use Drawings and Equations to Add Pg.20-21</p> <p>Book 1 – Unit 2- Practice 10: Use Models to Subtract Pg.22-23</p> <p>Book 1 – Unit 2- Practice 11: Use Place Value to Subtract 3-Digit Numbers Pg.24-25</p> <p>Book 1 – Unit 2- Practice 12: Use Drawings & Equations to Solve Two Step Problems Pg.26-27</p>		<p> 3Digit Subtraction.pdf</p> <p> 3Digit Subtraction 2.pdf</p> <p> Subtraction Word Problems.pdf</p> <p> Subtraction Word Problems2.pdf</p> <p> Add-Subtract Extra Practice.pdf</p>
<p>MA.ABE.1.2.3 Use place value understanding and properties of operations to perform multi-digit arithmetic.</p>	<p>3.NBT.3 (Low): Multiply one-digit whole numbers by multiples of 10 in the range 10–90, using strategies based on place value and properties of operations.</p>	<p>Unit 1 – Lesson 8: Multiply by Multiples of Ten Pg.44-47</p>	<p>Book 1 – Unit 1 – Strategy 8: Multiply by Multiples of Ten Pg.23-24</p>	<p>Unit 3 – Lesson 14: Multiply 1-Digit Numbers by Multiples of Ten Pg.32-33</p>	<p>Book 1 – Unit 3- Practice 14: Multiply 1-Digit Numbers by Multiples of Ten Pg.32-33</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Flash Cards: Multiplying by Powers of 10 • Flash Cards: Multi-digit Multiplication • Multiplying Whole Numbers I • Multiplying Whole Numbers II • Whole Numbers and Operations Test-Out Quiz • Whole Numbers and Operations Unit Quiz • Flash Cards: Multiplication Facts 	<p> Multiply by Ten.pdf</p> <p> Multiply by Ten 2.pdf</p> <p> Multiples10 Word Problems.pdf</p>






NUMBER and OPERATIONS – FRACTIONS (12% of Test)









<p>MA.ABE.5.2.1 Develop understanding of fractions as numbers using denominators of 2, 3, 4, 6, or 8.</p>	<p>3.NF.1 (Medium): Understand a fraction as the quantity formed when a whole is partitioned into equal parts.</p> <p>3.NF.2(a)(b) (Medium): Understand a fraction as a number on the number line; represent fractions on a number line diagram. Represent a fraction on a number line diagram by defining the interval from 0 to 1 (endpoints) and partitioning it into equal parts. Explain a fraction on a number line diagram has the interval size a/b.</p>	<p>Unit 2 – Lesson 1: Recognize and Represent Fractions Pg.52-55</p>	<p>Book 1 – Unit 2 – Strategy 9: Recognize and Represent Fractions Pg.28-30</p>	<p>Unit 4 – Lesson 24: Fractions of a Whole Pg.54-55</p> <p>Unit 4 – Lesson 25: Fractions on a Number Line Pg.56-57</p>	<p>Book 1 – Unit 4- Practice 24: Fractions of a Whole Pg.54-55</p> <p>Book 1 – Unit 4- Practice 25: Fractions on a Number Line Pg.56-57</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Writing Fractions • Understanding Fractions Test-Out Quiz • Understanding Fractions Unit Quiz • Fractions, Rates, and Ratios Test-Out Quiz • Equivalent Fractions 	<p> Fractions.pdf</p> <p> Fractions 2.pdf</p> <p> Fractions 3.pdf</p> <p> Fractions & NumberLine.pdf</p>
<p>MA.ABE.5.2.2 Develop understanding of equivalent fractions.</p>	<p>3.NF.3(a)(b)(c)(d) (High): Explain equivalence of fractions in special cases and compare fractions by reasoning about their size. Generate simple equivalent fractions, ($1/2 = 2/4$, $4/6 = 2/3$) by using a visual fraction model. Compare two fractions with the same numerator or the same denominator. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with the symbols $>$, $=$, or $<$, and justify the conclusions with a visual fraction model.</p>	<p>Unit 2 – Lesson 2: Express Whole Numbers as Fractions Pg.56-60</p> <p>Unit 2 – Lesson 3: Recognize Equivalent Fractions Pg.61-65</p> <p>Unit 2 – Lesson 4: Compare Fractions Pg.66-69</p>	<p>Book 1 – Unit 2 – Strategy 10: Express Whole Numbers as Fractions Pg.31-32</p> <p>Book 1 – Unit 2 – Strategy 11: Recognize Equivalent Fractions Pg.33-35</p> <p>Book 1 – Unit 2 – Strategy 12: Compare Fractions Pg.36-37</p>	<p>Unit 4 – Lesson 26: Equivalent Fractions Pg.58-59</p> <p>Unit 4 – Lesson 27: Generate Equivalent Fractions Pg.60-61</p> <p>Unit 4 – Lesson 28: Relate Fractions and Whole Numbers Pg.62-63</p> <p>Unit 4 – Lesson 29: Compare Fractions Pg.64-65</p>	<p>Book 1 – Unit 4- Practice 26: Equivalent Fractions Pg.58-59</p> <p>Book 1 – Unit 4- Practice 27: Generate Equivalent Fractions Pg.60-61</p> <p>Book 1 – Unit 4- Practice 28: Relate Fractions and Whole Numbers Pg.62-63</p> <p>Book 1 – Unit 4- Practice 29: Compare Fractions Pg.64-65</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Fractions, Rates, and Ratios Test-Out Quiz • Equivalent Fractions • Understanding Fractions Test-Out Quiz • Understanding Fractions Unit Quiz 	<p> Whole Number Fractions.pdf</p> <p> Equivalent Fractions.pdf</p> <p> Equivalent Fractions 2.pdf</p> <p> Fractions&Whole Numbers.pdf</p> <p> Compare Fractions.pdf</p>






				Unit 4 – Lesson 30: Compare Fractions with the Same Numerator or Same Denominator Pg.66-67	Book 1 – Unit 4- Practice 30: Compare Fractions with the Same Numerator or Same Denominator Pg.66-67		 Compare Fractions 2.pdf  Compare Fractions 3.pdf
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OPERATIONS and ALGEBRAIC THINKING (22% of Test)





MA.ABE.2.2.3 Represent and solve problems involving multiplication and division.	3.OA.1 (Medium): Interpret products of numbers, such as 5x7 as the total number of objects in 5 groups of 7 objects each.	Unit 3 – Lesson 1: Interpret Multiplication Facts Pg.74-77	Book 2 – Unit 1 – Strategy 1: Interpret Multiplication Facts Pg.4-5	Unit 3 – Lesson 13: Multiplication as Repeated Addition Pg.30-31	Book 1 – Unit 3- Practice 13: Multiplication as Repeated Addition Pg.30-31	Online Lessons: <ul style="list-style-type: none"> Flash Cards: Multiplying by Powers of 10 Flash Cards: Multi-digit Multiplication Multiplying Whole Numbers I Multiplying Whole Numbers II Whole Numbers and Operations Test-Out Quiz Whole Numbers and Operations Unit Quiz Flash Cards: Multiplication Facts 	 Add-Multiply Worksheet.pdf  Add-Multiply Worksheet 2.pdf  Multiply Worksheet.pdf
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MA.ABE.2.2.4 Understand properties of multiplication and the relationship between multiplication and division.	3.OA.5 (Low): Apply properties of operations as strategies to multiply and/or divide: (Commutative property of multiplication, Associative property of multiplication, Distributive property of multiplication.)	Unit 3 – Lesson 2: Use Multiplication Properties Pg.78-82	Book 2 – Unit 1 – Strategy 2: Use Multiplication Properties Pg.6-9	Unit 3 – Lesson 16: Commutative and Associative Properties of Multiplication Pg.36-37 Unit 3 – Lesson 17: Use the Distributive Property to Multiply Pg.38-39	Book 1 – Unit 3- Practice 16: Commutative and Associative Properties of Multiplication Pg.36-37 Book 1 – Unit 3- Practice 17: Use the Distributive Property to Multiply Pg.38-39	Online Lessons: <ul style="list-style-type: none"> Flash Cards: Division Facts Flash Cards: Division with Remainder Flash Cards: Multiplying by Powers of 10 Flash Cards: Multi-digit Multiplication Multiplying Whole Numbers I Multiplying Whole Numbers II Dividing Whole Numbers Number Properties 	 Using Associative Property.pdf  Associative Property.pdf  Associative Property 2.pdf  Commutative Property.pdf  Commutative Property 2.pdf
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						<ul style="list-style-type: none"> • Whole Numbers and Operations Test-Out Quiz • Whole Numbers and Operations Unit Quiz • Flash Cards: Multiplication Facts 	 Using Distributive.pdf  Distributive Property.pdf  Distributive Property 2.pdf  Identity Property.pdf  Identity Property 2.pdf  All Properties.pdf
<p>MA.ABE.2.2.5 Multiply and divide within 100.</p>	<p>3.OA.7 (Low): Fluently multiply and divide within 100. Use strategies such as the relationship between multiplication and division or properties of operations. Know from memory products of two one-digit numbers.</p>	<p>Unit 3 – Lesson 3: Multiply Fluently Pg.83-87</p>	<p>Book 2 – Unit 1 – Strategy 3: Multiply Fluently Pg.10-12</p>	<p>Unit 3 – Lesson 15: Multiply Within 100 Pg.34-35</p>	<p>Book 1 – Unit 3- Practice 15: Multiply Within 100 Pg.34-35</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Flash Cards: Division Facts • Flash Cards: Division with Remainder • Flash Cards: Multiplying by Powers of 10 • Flash Cards: Multi-digit Multiplication • Multiplying Whole Numbers I • Multiplying Whole Numbers II • Dividing Whole Numbers • Whole Numbers and Operations Test-Out Quiz • Whole Numbers and Operations Unit Quiz • Flash Cards: Multiplication Facts 	 Multiply Word Problems.pdf  Multiply Word Problems 2.pdf








<p>MA.ABE.2.2.3 Represent and solve problems involving multiplication and division.</p>	<p>3.OA.2 (Low): Interpret quotients of numbers, such as, $56 \div 8$ as the number of objects in a share.</p>	<p>Unit 3 – Lesson 4: Interpret Division Facts Pg.88-91</p>	<p>Book 2 – Unit 1 – Strategy 4: Interpret Division Facts Pg.13-14</p>	<p>Unit 3 – Lesson 19: Division as Equal Sharing Pg.42-43</p>	<p>Book 1 – Unit 3- Practice 19: Division as Equal Sharing Pg.42-43</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Flash Cards: Division Facts • Flash Cards: Division with Remainder • Dividing Whole Numbers • Whole Numbers and Operations Test-Out Quiz • Whole Numbers and Operations Unit Quiz 	 Visual Division.pdf
<p>MA.ABE.2.2.3 Represent and solve problems involving multiplication and division.</p> <p>MA.ABE.2.2.4 Understand properties of multiplication and the relationship between multiplication and division.</p>	<p>3.OA.4 (Low): Determine the unknown number in a multiplication or division equation relating three numbers.</p> <p>3.OA.6 (Medium): Understand division as an unknown-factor problem.</p>	<p>Unit 3 – Lesson 5: Relate Multiplication and Division Pg.92-95</p>	<p>Book 2 – Unit 1 – Strategy 5: Relate Multiplication and Division Pg.15-17</p>	<p>Unit 3 – Lesson 18: Division as Finding an Unknown Factor Pg.40-41</p> <p>Unit 3 – Lesson 20: Fact Families Pg.44-45</p>	<p>Book 1 – Unit 3- Practice 18: Division as Finding an Unknown Factor Pg.40-41</p> <p>Book 1 – Unit 3- Practice 20: Fact Families Pg.44-45</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Comparison Equations • Factors and Multiples Test-Out Quiz • Factors and Multiples Unit Quiz • Greatest Common Factor and Least Common Multiple • Factors and Multiples Test-Out Quiz • Factors and Multiples Unit Quiz 	 Relate Mult-Divide.pdf  Relate Mult-Divide2.pdf
<p>MA.ABE.2.2.5 Multiply and divide within 100.</p>	<p>3.OA.7 (Low): Fluently multiply and divide within 100. Use strategies such as the relationship between multiplication and division or properties of operations. Know from memory products of two one-digit numbers.</p>	<p>Unit 3 – Lesson 6: Divide Fluently Pg.96-99</p>	<p>Book 2 – Unit 1 – Strategy 6: Divide Fluently Pg.18-19</p>	<p>Unit 3 – Lesson 21: Divide Within 100 Pg.46-47</p>	<p>Book 1 – Unit 3- Practice 21: Divide Within 100 Pg.46-47</p>	<p>Online Lessons:</p> <p>PREVIOUSLY COVERED</p>	 Division Drill.pdf
<p>MA.ABE.2.2.1 Represent and solve problems involving addition and subtraction within 100.</p>	<p>2.OA.1 (Medium): Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with</p>	<p>Unit 4 – Lesson 1: Solve Addition and Subtraction Word Problems Pg.104-107</p>	<p>Book 2 – Unit 2 – Strategy 7: Solve Addition and Subtraction Word Problems Pg.22-25</p>	<p>Unit 2 – Lesson 9: Use Drawings and Equations to Add Pg.20-21</p> <p>Unit 2 – Lesson 12: Use Drawings & Equations to Solve Two Step Problems Pg.26-27</p>	<p>Book 1 – Unit 2- Practice 9: Use Drawings and Equations to Add Pg.20-21</p> <p>Book 1 – Unit 2 Practice 12: Use Drawings & Equations to Solve Two Step Problems Pg.26-27</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Simplifying Exponents 	 Add Word Problems 2.pdf




	unknowns in all positions.			(Lessons already covered may review as needed)	(Lessons already covered may review as needed)		 Subtraction Word Problems2.pdf
MA.ABE.2.2.3 Represent and solve problems involving multiplication and division.	3.OA.3 (Low): Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities.	Unit 4 – Lesson 2: Solve Multiplication and Division Word Problems Pg.108-111	Book 2 – Unit 2 – Strategy 8: Solve Multiplication and Division Word Problems Pg.26-29	Unit 3 – Lesson 22: Multi-Step Word Problems Pg.48-49	Book 1 – Unit 3- Practice 22: Multi-Step Word Problems Pg.48-49	Online Lessons: <ul style="list-style-type: none"> • Flash Cards: Division Facts • Comparison Equations • Flash Cards: Division with Remainder • Factors and Multiples Test-Out Quiz • Factors and Multiples Unit Quiz • Simplifying Exponents • Flash Cards: Multiplying by Powers of 10 • Flash Cards: Multi-digit Multiplication • Multiplying Whole Numbers I • Multiplying Whole Numbers II • Dividing Whole Numbers • Solving Problems with Whole Numbers • Whole Numbers and Operations Test-Out Quiz • Whole Numbers and Operations Unit Quiz • Flash Cards: Multiplication Facts 	 Multiply Word Problems 3.pdf  Division Word Problems.pdf
MA.ABE.2.2.6 Solve problems involving the four operations and identify and explain patterns in arithmetic.	3.OA.8 (Medium): Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation	Unit 4 – Lesson 3: Solve Two-Step Word Problems Pg.112-115	Book 2 – Unit 2 – Strategy 9: Solve Two-Step Word Problems Pg.30-33	Unit 3 – Lesson 22: Multi-Step Word Problems Pg.48-49 (Same lesson as above)	Book 1 – Unit 3- Practice 22: Multi-Step Word Problems Pg.48-49 (Same lesson as above)	Online Lessons: <ul style="list-style-type: none"> • Solving Problems with Whole Numbers • Whole Numbers and Operations Test-Out Quiz • Whole Numbers and Operations Unit Quiz 	 2 step worksheet.pdf  2 Step Worksheet 2.pdf





	and estimation strategies including rounding.						 2 Step Worksheet 3.pdf  2 Step Worksheet 4.pdf
MA.ABE.2.2.6 Solve problems involving the four operations and identify and explain patterns in arithmetic.	3.OA.9 (Low): Identify arithmetic patterns, including patterns in the addition table or multiplication table, and explain them using properties of operations.	Unit 4 – Lesson 4: Identify Patterns Pg.116-119	Book 2 – Unit 2 – Strategy 10: Identify Patterns Pg.34-37	Unit 3 – Lesson 23: Number Patterns Pg.50-51	Book 1 – Unit 3- Practice 23: Number Patterns Pg.50-51	Online Lessons: <ul style="list-style-type: none"> • Skip Counting • Understanding Whole Numbers Test-Out Quiz • Understanding Whole Numbers Unit Quiz • Number and Shape Patterns 	 Number Pattern.pdf  Number Pattern 2.pdf






GEOMETRY (10% of Test)

MA.ABE.4.2.1 Analyze and compare angles within shapes.	2.G.1 (Medium): Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.	Unit 5 – Lesson 1: Recognize Shapes by Attributes Pg.124-129	Book 3 – Unit 1 – Strategy 1: Recognize Shapes by Attributes Pg.4-5	Unit 6 – Lesson 42: 2-Dimensional Shapes Pg.94-95 Unit 6 – Lesson 44: 3-Dimensional Shapes Pg.98-99	Book 2 – Unit 6- Practice 42: 2-Dimensional Shapes Pg.26-27 Book 2 – Unit 6- Practice 44: 3-Dimensional Shapes Pg.30-31	Online Lessons: <ul style="list-style-type: none"> • Geometric Shapes 	 Shapes Worksheet.pdf  Shapes Worksheet 2.pdf  Shape Problems.pdf
MA.ABE.4.2.2 Reason with shapes and their attributes.	3.G.1 (Medium): Understand that shapes in different categories (rhombuses, rectangles, and others) may share attributes (having four sides), and that the shared attributes can define a larger category (quadrilaterals).	Unit 5 – Lesson 2: Categorize Quadrilaterals Pg.130-135	Book 3 – Unit 1 – Strategy 2: Categorize Quadrilaterals Pg.6-7	Unit 6 – Lesson 43: Quadrilaterals Pg.96-97	Book 2 – Unit 6- Practice 43: Quadrilaterals Pg.28-29	Online Lessons: <ul style="list-style-type: none"> • Geometric Shapes • Shapes, Perimeter, and Area Test-Out Quiz • Shapes, Perimeter, and Area Unit Quiz 	 Quadrilaterals.pdf

	Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories.						
MA.ABE.4.2.2 Reason with shapes and their attributes.	2.G.3 (Low): Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., Recognize that equal shares of identical wholes need not have the same shape. 3.G.2 (Low): Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole.	Unit 5 – Lesson 3: Partition Shapes and Name Wholes Pg.136-139	Book 3 – Unit 1 – Strategy 3: Partition Shapes and Name Wholes Pg.8-9	Unit 6 – Lesson 48: Decompose Shapes to Determine Area Pg.106-107	Book 2 – Unit 6- Practice 48: Decompose Shapes to Determine Area Pg.38-39	Online Lessons: <ul style="list-style-type: none"> • Writing Fractions • Understanding Fractions Test-Out Quiz • Understanding Fractions Unit Quiz 	 Partition Shapes.pdf  Partition Shapes 2.pdf
MEASUREMENT and DATA (28% of Test)							
MA.ABE.3.2.4 Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.	3.MD.1 (Medium): Measure, tell, and write time to the nearest minute. Solve word problems involving addition and subtraction of time intervals in minutes by representing the problem on a number line diagram.	Unit 6 – Lesson 1: Tell Time and Elapsed Time Pg.144-148	Book 3 – Unit 2 – Strategy 4: Tell Time and Elapsed Time Pg.12-15	Unit 5 – Lesson 38: Measure Time Pg.84-85	Book 2 – Unit 5- Practice 38: Measure Time Pg.16-17	Online Lessons: No lessons are associated with this target.	 Time Match.pdf  Time Word Problems.pdf  Start Time.pdf
MA.ABE.3.2.2 Measure and estimate lengths in standard units.	2.MD.2 (Low): Compare and describe how using standard (ruler) and nonstandard (thumb) units of measure relate to the size of the unit chosen. 2.MD.3 (Low): Estimate lengths using units of inches, feet, centimeters, and	Unit 6 – Lesson 2: Estimate and Compare Length Pg.149-153	Book 3 – Unit 2 – Strategy 5: Estimate and Compare Length Pg.16-19	Unit 5 – Lesson 31: Measure Length in Inches and Feet Pg.70-71 Unit 5 – Lesson 32: Estimate Length in Inches and Feet Pg.72-73	Book 2 – Unit 5- Practice 31: Measure Length in Inches and Feet Pg.2-3	Online Lessons: No lessons are associated with these targets.	 Estimate Measurement.pdf  Length.pdf

	<p>meters.</p> <p>2.MD.4 (Low): Measure to determine how much longer one object is than another, using a standard-length unit.</p>			<p>Unit 5 – Lesson 33: Measure Length in Centimeters and Meters Pg.74-75</p> <p>Unit 5 – Lesson 34: Estimate Length in Centimeters and Meters Pg.76-77</p> <p>Unit 5 – Lesson 35: Measure and Compare Lengths Pg.78-79</p>	<p>Book 2 – Unit 5- Practice 32: Estimate Length in Inches and Feet Pg.4-5</p> <p>Book 2 – Unit 5- Practice 33: Measure Length in Centimeters and Meters Pg.6-7</p> <p>Book 2 – Unit 5- Practice 34: Estimate Length in Centimeters and Meters Pg.8-9</p> <p>Book 2 – Unit 5- Practice 35: Measure and Compare Lengths Pg.10-11</p>		 Measurement.pdf
<p>MA.ABE.3.2.3 Relate addition and subtraction to length.</p>	<p>2.MD.6 (Low): Represent whole numbers as lengths from 0 on a number line diagram. Represent whole number sums and differences within 100 on a number line diagram.</p>	<p>Unit 6 – Lesson 3: Represent Length on a Number Line Pg.154-157</p>	<p>Book 3 – Unit 2 – Strategy 6: Represent Length on a Number Line Pg.20-21</p>	<p>Unit 5 – Lesson 37: Add and Subtract Lengths Pg.82-83</p>	<p>Book 2 – Unit 5- Practice 37: Add and Subtract Lengths Pg.14-15</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Number Lines 	 Number Line.pdf
<p>MA.ABE.3.2.1 Represent and interpret data.</p>	<p>3.MD.4 (Low): Generate measurement data by using measuring tools marked with halves and fourths of a unit of measure (ruler). Show the data by making a line plot, where the horizontal scale is marked off in units (whole numbers, halves, or fourths).</p>	<p>Unit 6 – Lesson 4: Represent Data on a Line Plot Pg.158-161</p>	<p>Book 3 – Unit 2 – Strategy 7: Represent Data on a Line Plot Pg.22-23</p>	<p>Unit 5 – Lesson 36: Line Plots Pg.80-81</p>	<p>Book 2 – Unit 5- Practice 36: Line Plots Pg.12-13</p>	<p>Online Lessons: No lessons are associated with this target.</p>	 Line Plots.pdf

<p>MA.ABE.3.2.4 Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.</p>	<p>3.MD.2 (Medium): Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, by using drawings, such as a beaker with a measurement scale, to represent the problem.</p>	<p>Unit 6 – Lesson 5: Measure and Estimate Mass and Liquid Volume Pg.162-165</p>	<p>Book 3 – Unit 2 – Strategy 8: Measure and Estimate Mass and Liquid Volume Pg.24-27</p>	<p>Unit 5 – Lesson 39: Measure Volume Pg.86-87</p> <p>Unit 5 – Lesson 40: Measure Mass Pg.88-89</p>	<p>Book 2 – Unit 5- Practice 39: Measure Volume Pg.18-19</p> <p>Book 2 – Unit 5- Practice 40: Measure Mass Pg.20-21</p>	<p>Online Lessons: No lessons are associated with this target.</p>	 Capacity.pdf  Mass.pdf
<p>MA.ABE.3.2.5 Understand concepts of area measurement and relate area to multiplication and addition.</p>	<p>3.MD.5 (Low): Recognize area as an attribute of plane figures and understand concepts of area measurement.</p>	<p>Unit 6 – Lesson 6: Interpret Area as Square Units Pg.166-169</p>	<p>Book 3 – Unit 2 – Strategy 9: Interpret Area as Square Units Pg.28-29</p>	<p>Unit 6 – Lesson 45: Measure Area in Square Units Pg.100-101</p>	<p>Book 2 – Unit 6- Practice 45: Measure Area in Square Units Pg.32-33</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Perimeter • Areas of Triangles and Quadrilaterals • Shapes, Perimeter, and Area Test-Out Quiz • Shapes, Perimeter, and Area Unit Quiz 	 Square Units.pdf
<p>MA.ABE.3.2.5 Understand concepts of area measurement and relate area to multiplication and addition.</p>	<p>3.MD.7 (High): Relate area to the operations of multiplication and addition.</p>	<p>Unit 6 – Lesson 7: Find Area of Rectangles Pg.170-173</p> <p>Unit 6 – Lesson 8: Solve Problems Using Area Pg.174-178</p>	<p>Book 3 – Unit 2 – Strategy 10: Find Area of Rectangles Pg.30-33</p> <p>Book 3 – Unit 2 – Strategy 11: Solve Problems Using Area Pg.34-37</p>	<p>Unit 6 – Lesson 46: Area of Rectangles Pg.102-103</p>	<p>Book 2 – Unit 6- Practice 46: Area of Rectangles Pg.34-35</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Flash Cards: Multiplying by Powers of 10 • Flash Cards: Multi-digit Multiplication • Multiplying Whole Numbers I • Multiplying Whole Numbers II • Whole Numbers and Operations Test-Out Quiz • Whole Numbers and Operations Unit Quiz • Flash Cards: Multiplication Facts • Perimeter 	 Area of Rectangles.pdf

						<ul style="list-style-type: none"> • Areas of Triangles and Quadrilaterals • Shapes, Perimeter, and Area Test-Out Quiz • Shapes, Perimeter, and Area Unit Quiz 	
<p>MA.ABE.3.2.6 Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.</p>	<p>3.MD.8 (Medium): Solve real world and mathematical problems involving perimeters of polygons. Find the perimeter given the side lengths. Find an unknown side length. Exhibit rectangles with the same perimeter and different areas or with the same area and different perimeters.</p>	<p>Unit 6 – Lesson 9: Solve Problems Using Perimeter Pg.179-184</p>	<p>Book 3 – Unit 2 – Strategy 12: Solve Problems Using Perimeter Pg.38-43</p>	<p>Unit 6 – Lesson 47: Perimeter Pg.104-105</p>	<p>Book 2 – Unit 6- Practice 47: Perimeter Pg.36-37</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Geometric Shapes • Perimeter • Areas of Triangles and Quadrilaterals • Shapes, Perimeter, and Area Test-Out Quiz • Shapes, Perimeter, and Area Unit Quiz 	 Perimeter.pdf
<p>MA.ABE.3.2.1 Represent and interpret data</p>	<p>2.MD.10 (Low): Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.</p> <p>3.MD.3 (Low): Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs.</p>	<p>Unit 6 – Lesson 10: Interpret Data Sets Pg.185-190</p>	<p>Book 3 – Unit 2 – Strategy 13: Interpret Data Sets Pg.44-49</p>	<p>Unit 5 – Lesson 41: Picture Graphs and Bar Graphs Pg.90-91</p>	<p>Book 2 – Unit 5- Practice 41: Picture Graphs and Bar Graphs Pg.22-23</p>	<p>Online Lessons:</p> <ul style="list-style-type: none"> • Tables, Circle Graphs, and Line Plots • Bar Graphs, Line Graphs, and Scatter Plots • Graphs and Charts Test-Out Quiz • Graphs and Charts Unit Quiz 	 Bar Graph.pdf  Bar Graphs 2.pdf  Match Graphs.pdf  Line Plot.pdf