Grade K -- West Virginia College- and Career-Readiness Standards

		Know number names and the count sequence.			Count to tell the number of objects.				Compare numbers.		Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.					Work with numbers 11-19 to gain foundations for place value.
No.	**Unit/Lesson**	M.K.1	M.K.2	M.K.3	M.K.4a	M.K.4b	M.K.4c	M.K.5	M.K.6	M.K.7	M.K.8	M.K.9	M.K.10	M.K.11	M.K.12	M.K.13
0.1.0	**Numbers to 10**															
0.1.1	Count 1-4				✓	✓	✓	✓								
0.1.2	Count 1-5				✓	✓	✓	✓								
0.1.3	Count 1-7				✓	✓	✓	✓								
0.1.4	Count 1-9				✓	✓	✓	✓								
0.1.5	Count 1-10				✓	✓	✓	✓								
0.1.6	Count 0-10				✓	✓	✓	✓								
0.1.7	Represent 0-2				✓		✓	✓								
0.1.8	Represent 0-5			✓	✓		✓	✓								
0.1.9	Represent 0-8			✓	✓		✓	✓								
0.1.10	Represent 0-10			✓	✓		✓	✓								
0.2.0	**Numbers to 20**															
0.2.1	Count and Represent 0-13			✓				✓								
0.2.2	Count and Represent 0-16			✓				✓								
0.2.3	Count and Represent 0-19			✓				✓								
0.2.4	Count and Represent 0-20			✓				✓								
0.3.0	**Compare Numbers to 10**															
0.3.1	Match to Find More								✓							
0.3.2	More, Fewer, and Same Amounts								✓							
0.3.3	Count to Find the Greater Number								✓	✓						
0.3.4	Compare Two Numbers								✓	✓						
0.3.5	Compare within 5									✓						
0.3.6	Compare within 10									✓						
0.4.0	**Understand Addition within 10**															
0.4.1	Represent Addition within 5										✓	✓				
0.4.2	Put Together Groups within 5										✓	✓			✓	
0.4.3	Explore Number Pairs for 0–5												✓			
0.4.4	Explore Number Pairs for 6–9												✓			
0.4.5	Explore Number Pairs for 10												✓	✓		
0.4.6	Find Numbers that Make 10													✓		
0.4.7	Represent Addition within 10										✓	✓				
0.4.8	Put Together Groups within 10										✓	✓				
0.5.0	**Understand Subtraction within 10**															
0.5.1	Decompose Numbers within 5										✓		✓			
0.5.2	Represent Subtraction within 5										✓	✓				
0.5.3	Solve Subtraction Equations within 5										✓	✓			✓	
0.5.4	Decompose Numbers 6–9												✓			
0.5.5	Represent Subtraction within 9										✓	✓				
0.5.6	Solve Subtraction Equations within 9										✓	✓				
0.5.7	Decompose 10										✓		✓	✓		
0.5.8	Solve Subtraction Problems within 10										✓	✓				
0.6.0	**Place Value with Teen Numbers**															
0.6.1	Show 11–14 as 10 Ones and Some More															✓
0.6.2	Show 15–19 as 10 Ones and Some More															✓
0.6.3	Teen Numbers with Drawings and Equations															✓
0.6.4	Compose and Decompose Teen Numbers															✓
0.7.0	**Number Patterns**															
0.7.1	One Less/One More						✓									
0.7.2	Count to 100 by Ones	✓														
0.7.3	Count to 100 by Tens	✓														
0.7.4	Count Forward		✓													

Grade 1 -- West Virginia College- and Career-Readiness Standards

No.	Unit/Lesson	Represent and solve problems involving addition and subtraction.		Understand and apply properties of operations and the relationship between addition and subtraction.		Add and subtract within 20.		Work with addition and subtraction equations.		Extend the counting sequence.	Understand place value.				Use place value understanding and properties of operations to add and subtract.			Measure lengths indirectly and by iterating length units.	
		M.1.1	M.1.2	M.1.3	M.1.4	M.1.5	M.1.6	M.1.7	M.1.8	M.1.9	M.1.10a	M.1.10b	M.1.10c	M.1.11	M.1.12	M.1.13	M.1.14	M.1.15	M.1.16
1.1.0	**Problem Solving: Addition**																		
1.1.1	Model Joining Stories (to 5)	✓																	
1.1.2	Ways to Make 6 and 7	✓					✓												
1.1.3	Ways to Make 8 and 9	✓					✓												
1.1.4	Model Joining Stories (to 9)	✓	✓				✓												
1.1.5	Commutative Property and Add Zero Property			✓			✓												
1.1.6	Ways to Make 10	✓					✓		✓										
1.1.7	Model Equations to Represent Addition Stories	✓					✓		✓										
1.1.8	Write Equations to Represent Addition Stories	✓					✓		✓										
1.2.0	**Problem Solving: Subtraction**																		
1.2.1	Addition and Subtraction Fact Families	✓				✓	✓		✓										
1.2.2	Model Take From Stories	✓			✓		✓		✓										
1.2.3	Find Missing Parts of 7 and 8	✓			✓		✓		✓										
1.2.4	Model Equations to Represent Subtraction Stories	✓					✓		✓										
1.2.5	Find Missing Parts of 9 and 10	✓			✓		✓		✓										
1.2.6	Model Take-Apart/Separating Stories	✓			✓		✓		✓										
1.2.7	Write Equations to Represent Subtraction Stories	✓					✓		✓										
1.2.8	Compare Stories	✓			✓		✓		✓										
1.2.9	Relate Addition and Subtraction	✓			✓		✓		✓										
1.3.0	**Addition and Subtraction Strategies**																		
1.3.1	Count On					✓	✓												
1.3.2	Use a Known Fact to Add						✓												
1.3.3	Related Subtraction Facts through 12				✓		✓												
1.3.4	Use 10 to Subtract						✓												
1.3.5	Related Subtraction Facts through 20	✓			✓		✓												
1.3.6	Find Unknowns on Addition Table	✓						✓	✓										
1.4.0	**More Work with Addition**																		
1.4.1	Numbers Related to 10			✓			✓		✓										
1.4.2	Make 10 to Add 7 and 8						✓												
1.4.3	Make 10 to Add 9						✓												
1.4.4	Use Strategies to Add					✓	✓												
1.4.5	Add Three Addends		✓	✓															
1.4.6	Addition and Subtraction Equations				✓		✓	✓	✓										
1.5.0	**Understand Place Value**																		
1.5.1	Count Forward to 120									✓									
1.5.2	Teen Numbers										✓	✓							
1.5.3	Tens and Ones										✓	✓	✓						
1.5.4	Make Numbers with Tens and Extras										✓		✓						
1.5.5	Compare Numbers through Hundreds													✓					
1.5.6	Read and Write Numbers									✓									
1.6.0	**Use Place Value and Properties of Operations to Add and Subtract**																		
1.6.1	Add Two Multiples of 10														✓				
1.6.2	Add a Multiple of 10 to a 2-Digit Number on a Hundred Chart														✓				
1.6.3	Add a Multiple of 10 to a 2-Digit Number														✓				
1.6.4	Add 2-Digit Numbers														✓				
1.6.5	Subtract Multiples of 10 from Multiples of 10																✓		
1.7.0	**Number Strategies and Measurement**																		
1.7.1	Skip-Counting					✓													
1.7.2	Add or Subtract 1 and 10 on a Number Chart					✓										✓			
1.7.3	Compare and Order Lengths																	✓	
1.7.4	Measure Length with Same-Size Units																		✓

Grade 2 -- West Virginia College- and Career-Readiness Standards

		Represent and solve problems involving addition and subtraction.	Add and subtract within 20.	Understand place value.					Use place value understanding and properties of operations to add and subtract.					Measure and estimate lengths in standard units.			Relate addition and subtraction to length.	
No.	**Unit/Lesson**	M.2.1	M.2.2	M.2.5a	M.2.5b	M.2.6	M.2.7	M.2.8	M.2.9	M.2.10	M.2.11	M.2.12	M.2.13	M.2.14	M.2.16	M.2.17	M.2.18	M.2.19
2.1.0	**Use Models to Add and Subtract**																	
2.1.1	Use the Addition Table to Add		✓						✓		✓							
2.1.2	Use the Addition Table to Add and Subtract		✓						✓		✓							
2.1.3	Find Missing Addends with the Hundred Chart		✓						✓		✓							
2.1.4	Add and Subtract with the Hundred Chart		✓						✓		✓							
2.1.5	Add and Subtract within 20 Using Base Ten Blocks		✓						✓		✓							
2.1.6	Add and Subtract within 20 Using the Number Line	✓	✓						✓		✓							
2.1.7	Add and Subtract within 100 Using Base Ten Blocks								✓		✓							
2.1.8	Add and Subtract within 100 Using the Number Line	✓							✓		✓							
2.1.9	Use Tape Diagrams to Add	✓							✓		✓							
2.1.10	Use Tape Diagrams to Add and Subtract	✓							✓		✓							
2.2.0	**Use Strategies to Add and Subtract**																	
2.2.1	Make a Ten to Add	✓	✓						✓		✓		✓					
2.2.2	Make a Ten to Subtract	✓	✓						✓		✓		✓					
2.2.3	Two-step Problems	✓	✓						✓		✓		✓					
2.2.4	Make a Simpler Problem to Add								✓		✓		✓					
2.2.5	Make a Simpler Problem to Subtract								✓		✓		✓					
2.2.6	Problem Solving with Sums to 100	✓							✓		✓		✓					
2.2.7	Problem Solving with Sums and Differences to 100	✓							✓		✓		✓					
2.3.0	**Numbers to 1000 and Place Value**																	
2.3.1	Numbers through 100						✓											
2.3.2	Numbers through 1000			✓	✓		✓											
2.3.3	Represent Numbers on a Number Line					✓	✓											
2.3.4	Compare Numbers Using Place Value						✓	✓										
2.4.0	**Addition with Multi-Digit Numbers**																	
2.4.1	Add Tens to 2-Digit Numbers								✓		✓							
2.4.2	Find Sums of 2-Digit Numbers								✓		✓		✓					
2.4.3	Use Strategies to Add 3-Digit Numbers										✓	✓	✓					
2.4.4	Add Tens to 3-Digit Numbers										✓	✓						
2.4.5	Find Sums of 3-Digit Numbers										✓							
2.4.6	Find Sums of Multi-Digit Numbers										✓							
2.4.7	Find Sums of More than Two Numbers									✓	✓		✓					
2.4.8	Problem Solving with Addition	✓							✓	✓	✓							
2.5.0	**Subtraction with Multi-Digit Numbers**																	
2.5.1	Decompose to Subtract 2-Digit Numbers								✓		✓							
2.5.2	Find Differences of 2-Digit Numbers								✓		✓		✓					
2.5.3	Problem Solving with 2-Digit Numbers	✓							✓		✓							
2.5.4	Use Strategies to Subtract 3-Digit Numbers										✓	✓	✓					
2.5.5	Subtract Tens from 3-Digit Numbers										✓	✓						
2.5.6	Subtract 3-Digit Numbers										✓							
2.5.7	Subtract Multi-Digit Numbers										✓		✓					
2.6.0	**Measure Length**																	
2.6.1	Measurement Tools													✓				
2.6.2	Lengths in Inches and Feet													✓	✓			
2.6.3	Lengths in Centimeters and Meters													✓	✓			
2.6.4	Compare Lengths													✓				
2.7.0	**Add and Subtract Lengths**																	
2.7.1	Find the Sums of Lengths	✓	✓						✓								✓	✓
2.7.2	Find the Differences of Lengths	✓	✓						✓							✓	✓	✓
2.7.3	Problem Solving with Lengths	✓	✓						✓								✓	
2.7.4	Compare Problems with Lengths	✓	✓						✓							✓	✓	

Grade 3 -- West Virginia College- and Career-Readiness Standards

		Represent and solve problems involving multiplication and division.				Understand properties of multiplication and the relationship between multiplication and division.		Multiply and divide within 100.	Solve problems involving the four operations, and identify and explain patterns in arithmetic.		Develop understanding of fractions as numbers.							Solve problems involving measurement and estimation.		Geometric measurement: Understand concepts of area and relate area to multiplication and to addition.						
No.	**Unit/Lesson**	M.3.1	M.3.2	M.3.3	M.3.4	M.3.5	M.3.6	M.3.7	M.3.8	M.3.9	M.3.13	M.3.14a	M.3.14b	M.3.15a	M.3.15b	M.3.15c	M.3.15d	M.3.16	M.3.17	M.3.20a	M.3.20b	M.3.21	M.3.22a	M.3.22b	M.3.22c	M.3.22d
3.1.0	**Understand Multiplication**																									
3.1.1	Equal Groups: Repeated Addition	✓		✓	✓			✓																		
3.1.2	Equal Groups: Unknown Items Per Group	✓		✓	✓			✓																		
3.1.3	Equal Groups: Unknown Number of Groups	✓		✓	✓			✓																		
3.1.4	Equal Groups: Rows	✓		✓	✓			✓																		
3.1.5	Equal Groups: The Array Model	✓		✓	✓			✓																		
3.1.6	Commutative Property of Multiplication			✓	✓	✓		✓																		
3.1.7	Multiplicative Identity Property and Zero Property of Multiplication			✓	✓	✓		✓																		
3.1.8	Problem Solving with Multiplication			✓	✓			✓																		
3.2.0	**Concept of Area**																									
3.2.1	Compare Areas of Rectangles																			✓	✓	✓				
3.2.2	Tile Rectangles to Find Area																				✓	✓	✓	✓		
3.2.3	Area Formula																					✓	✓	✓		
3.2.4	Decompose a Rectangle to Find Area																							✓	✓	
3.2.5	Area with Customary Units			✓																				✓		
3.2.6	Area with Metric Units			✓																				✓		
3.2.7	Decompose Figures to Find Area																							✓		✓
3.3.0	**Patterns in Multiplication**																									
3.3.1	Multiply by 2				✓			✓		✓																
3.3.2	Multiply by 3 and 5				✓			✓		✓																
3.3.3	Introduction to Multiplication Tables				✓			✓		✓																
3.3.4	Use Multiplication Tables				✓			✓		✓																
3.3.5	Basic Multiplication Facts				✓	✓		✓																		
3.3.6	Patterns in the Multiplication Table				✓	✓		✓		✓																
3.3.7	Learn Multiplication Facts				✓	✓		✓																		
3.4.0	**Understand Division**																									
3.4.1	Equal Groups: Unknown Items Per Group		✓	✓	✓			✓																		
3.4.2	Equal Groups: Unknown Number of Groups		✓	✓	✓			✓																		
3.4.3	Equal Groups: Tape Diagrams		✓	✓	✓		✓	✓																		
3.4.4	Equal Groups: Arrays		✓	✓	✓		✓	✓																		
3.4.5	Problem Solving with Related Facts			✓	✓		✓	✓																		
3.5.0	**Use Mixed Operations to Solve Problems**																									
3.5.1	Order of Operations with Parentheses								✓																	
3.5.2	Order of Operations without Parentheses								✓																	
3.5.3	Associative and Commutative Properties					✓																				
3.5.4	Multiples of Ten*					✓				✓																
3.5.5	Tape Diagrams			✓				✓																		
3.5.6	Problem Solving with Mixed Operations			✓				✓	✓																	
3.6.0	**Measurement: Time, Volume, and Mass**																									
3.6.1	Tell Time																	✓								
3.6.2	Problem Solving with Elapsed Time																	✓								
3.6.3	Liquid Volume																		✓							
3.6.4	Mass																		✓							
3.7.0	**Fraction Concepts**																									
3.7.1	Model Equal Parts										✓															
3.7.2	Use Fraction Bars to Name Fractions										✓															
3.7.3	Use Fraction Rectangles and Circles to Name Fractions										✓															
3.7.4	Find Equivalent Fractions													✓	✓											
3.7.5	Compare Fractions																✓									
3.7.6	Find Fractions on a Number Line											✓	✓			✓										
3.7.7	Compare Fractions on a Number Line													✓			✓									

*This lesson also addresses M.3.12

Grade 4 -- West Virginia College- and Career-Readiness Standards

		Use the four operations with whole numbers to solve problems.			Generalize place value understanding for multi-digit whole numbers.			Use place value understanding and properties of operations to perform multi-digit arithmetic.			Extend understanding of fraction equivalence and ordering.		Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.							Understand decimal notation for fractions, and compare decimal fractions.		
No.	**Unit/Lesson**	M.4.1	M.4.2	M.4.3	M.4.6	M.4.7	M.4.8	M.4.9	M.4.10	M.4.11	M.4.12	M.4.13	M.4.14a	M.4.14b	M.4.14c	M.4.14d	M.4.15a	M.4.15b	M.4.15c	M.4.16	M.4.17	M.4.18
4.1.0	**Foundations in Base Ten**																					
4.1.1	Read and Write Multi-Digit Numbers					✓																
4.1.2	Place Value Relationships				✓	✓																
4.1.3	Compare Numbers					✓																
4.1.4	Round Numbers						✓															
4.1.5	Addition							✓														
4.1.6	Subtraction							✓														
4.1.7	Problem Solving with Addition and Subtraction			✓				✓														
4.2.0	**Multiplication and Division**																					
4.2.1	Multiplication as Comparison	✓	✓																			
4.2.2	Tape Diagrams and Multiplicative Comparison	✓	✓																			
4.2.3	Find Missing Factors		✓																			
4.2.4	Factors and Multiples*																					
4.2.5	Investigate Remainders			✓																		
4.3.0	**Extend Multiplication Concepts**																					
4.3.1	Multiply by 10, 100, and 1000								✓													
4.3.2	Estimate Products								✓													
4.3.3	Use Area Diagram to Multiply by 1-Digit Number								✓													
4.3.4	Use Distributive Property to Multiply by 1-Digit Number								✓													
4.3.5	Use Area Diagram to Multiply by 2-Digit Number								✓													
4.3.6	Use Distributive Property to Multiply by 2-Digit Number								✓													
4.3.7	Problem Solving with Multiplication			✓					✓													
4.4.0	**Extend Division Concepts**																					
4.4.1	Divide 10s, 100s, and 1000s									✓												
4.4.2	Estimate Quotients									✓												
4.4.3	Area Diagrams in Division									✓												
4.4.4	Distributive Property in Division									✓												
4.4.5	Zeros in Division									✓												
4.4.6	Problem Solving with 1-Digit Divisors			✓						✓												
4.4.7	Problem Solving with Division and Other Operations			✓						✓												
4.5.0	**Equivalent Fractions**																					
4.5.1	Fractions: Compare Whole Numbers to Make New Numbers											✓										
4.5.2	Compare Fractions with Models											✓										
4.5.3	Compare and Order Fractions											✓										
4.5.4	Multiply to Create Equivalent Fractions										✓											
4.5.5	Divide to Create Equivalent Fractions										✓											
4.6.0	**Operations with Fractions**																					
4.6.1	Add Unit Fractions												✓	✓								
4.6.2	Add Fractions												✓	✓								
4.6.3	Subtract Fractions												✓	✓								
4.6.4	Mixed Numbers													✓	✓							
4.6.5	Improper Fractions													✓								
4.6.6	Problem Solving with Fractions with Like Denominators												✓			✓						
4.6.7	Multiples of Unit Fractions																✓	✓				
4.6.8	Multiply a Fraction by a Whole Number																	✓	✓			
4.6.9	Problem Solving with Fractions and Mixed Operations															✓			✓			
4.7.0	**Decimal Fraction Concepts**																					
4.7.1	Decimal Fractions																			✓		
4.7.2	Add Decimal Fractions																			✓		
4.7.3	Write Fractions in Decimal Notation																				✓	
4.7.4	Compare Decimals in Tenths and Hundredths																					✓

*This lesson addresses M.4.4

Grade 5 -- West Virginia College- and Career-Readiness Standards

		Understand the place value system.					Perform operations with multi-digit whole numbers and with decimals to hundredths.			Use equivalent fractions as a strategy to add and subtract fractions.		Apply and extend previous understandings of multiplication and division to multiply and divide fractions.									Geometric measurement: Understand concepts of volume and relate volume to multiplication and to addition.						Graph points on the coordinate plane to solve real-world and mathematical problems.	
No.	**Unit/Lesson**	M.5.4	M.5.5	M.5.6a	M.5.6b	M.5.7	M.5.8	M.5.9	M.5.10	M.5.11	M.5.12	M.5.13	M.5.14a	M.5.14b	M.5.15a	M.5.15b	M.5.16	M.5.17a	M.5.17b	M.5.17c	M.5.20a	M.5.20b	M.5.21	M.5.22a	M.5.22b	M.5.22c	M.5.23	M.5.24
5.1.0	**Whole Numbers: Place Value & Multiplication**																											
5.1.1	Place Value and Exponents	✓	✓																									
5.1.2	Multiply by 1-Digit Factors						✓																					
5.1.3	Multiply by 2-Digit Factors						✓																					
5.1.4	Use Algorithms with 1-Digit Factors						✓																					
5.1.5	Use Algorithms with 2-Digit Factors						✓																					
5.2.0	**Whole Numbers: Division**																											
5.2.1	Use Multiplication to Estimate Quotients							✓																				
5.2.2	Use Rounding to Estimate Quotients							✓																				
5.2.3	Use Repeated Subtraction and Multiples of 10							✓																				
5.2.4	Use Models with 2-Digit Divisors							✓																				
5.2.5	Methods for Division							✓																				
5.2.6	Problem Solving with Division							✓																				
5.3.0	**Decimals: Place Value and Operations**																											
5.3.1	Decimal Place Value	✓		✓																								
5.3.2	Round Decimals					✓																						
5.3.3	Compare Decimals				✓																							
5.3.4	Add and Subtract Decimals								✓																			
5.3.5	Multiply and Divide Tenths and Hundredths								✓																			
5.3.6	Multiply Decimals								✓																			
5.3.7	Divide Decimals		✓						✓																			
5.3.8	Problem Solving with Decimal Operations								✓																			
5.4.0	**Fractions: Addition and Subtraction**																											
5.4.1	Equivalent Forms									✓																		
5.4.2	Find Common Denominators Using Models									✓																		
5.4.3	Find Common Denominators									✓																		
5.4.4	Add and Subtract Fractions and Mixed Numbers Using Models									✓	✓																	
5.4.5	Add and Subtract Fractions and Mixed Numbers									✓	✓																	
5.4.6	Estimate Sums and Differences										✓																	
5.4.7	Problem Solving with Addition and Subtraction of Fractions										✓																	
5.5.0	**Fractions: Multiplication and Division**																											
5.5.1	Inverse Operations											✓	✓															
5.5.2	Multiply Fractions Using Bar Models												✓															
5.5.3	Multiply Fractions Using a Number Line												✓															
5.5.4	Multiply Fractions Using an Area Diagram												✓	✓	✓		✓											
5.5.5	Scale														✓	✓	✓											
5.5.6	Divide Whole Numbers by Unit Fractions																		✓	✓								
5.5.7	Divide Unit Fractions by Whole Numbers																	✓		✓								
5.5.8	Problem Solving with Multiplication and Division of Fractions																✓			✓								
5.6.0	**Volume: Right Rectangular Prisms**																											
5.6.1	Unit Cubes																				✓	✓						
5.6.2	Determine Volume Using Cubes																					✓	✓					
5.6.3	Examine Layers, Rows, and Columns																							✓				
5.6.4	Explore Nets																							✓				
5.6.5	Volume Formulas																								✓			
5.6.6	Problem Solving with Volume																								✓	✓		
5.7.0	**Coordinate Graphs**																											
5.7.1	Coordinate Plane																										✓	
5.7.2	Ordered Pairs																										✓	
5.7.3	Connect Points in the Plane																											✓
5.7.4	Use the Coordinate Plane																											✓

Grade 6 -- West Virginia College- and Career-Readiness Standards

		Understand ratio concepts and use ratio reasoning to solve problems.						Apply and extend previous understandings of multiplication and division to divide fractions by fractions.	Apply and extend previous understandings of numbers to the system of rational numbers.								Apply and extend previous understandings of arithmetic to algebraic expressions.						Reason about and solve one-variable equations and inequalities.				Represent and analyze quantitative relationships between dependent and independent variables.
No.	**Unit/Lesson**	M.6.1	M.6.2	M.6.3a	M.6.3b	M.6.3c	M.6.3d	M.6.4	M.6.8	M.6.9a	M.6.9b	M.6.9c	M.6.10a	M.6.10b	M.6.10c	M.6.10d	M.6.11	M.6.12	M.6.13a	M.6.13b	M.6.13c	M.6.14	M.6.15	M.6.16	M.6.17	M.6.18	M.6.19	M.6.20
6.1.0	**Rational Numbers and Absolute Value**																											
6.1.1	Explore Integers								✓	✓																		
6.1.2	Rational Numbers											✓																
6.1.3	Compare and Order Rational Numbers												✓	✓														
6.1.4	Understand Absolute Value														✓	✓												
6.1.5	Problem Solving with Absolute Value														✓	✓												
6.2.0	**Rational Numbers in the Coordinate Plane**																											
6.2.1	Graphs on the Coordinate Plane										✓	✓																
6.2.2	Distance in the Coordinate Plane																✓											
6.2.3	Reflections on the Coordinate Plane										✓																	
6.2.4	Problem Solving with the Coordinate Plane*																✓											
6.3.0	**Division of Fractions**																											
6.3.1	Model Division with Unit Fractions							✓																				
6.3.2	Model Fraction Division							✓																				
6.3.3	Write Fraction Division Equations							✓																				
6.3.4	Fraction Division with Equations							✓																				
6.3.5	Create, Model, and Solve Problems with Fraction Division							✓																				
6.3.6	Problem Solving with Fractions and Mixed Numbers							✓																				
6.4.0	**Ratios and Rates**																											
6.4.1	Visualize and Represent Ratios	✓																										
6.4.2	Compare Ratios			✓																								
6.4.3	Unit Rates		✓		✓																							
6.4.4	Graph Rates and Other Ratios			✓	✓																							
6.4.5	Convert Measurement Units						✓																					
6.4.6	Problem Solving with Unit Rates		✓	✓	✓		✓																					
6.5.0	**Proportions and Proportional Reasoning**																											
6.5.1	Write Proportions			✓																								
6.5.2	Strategies to Solve Proportions						✓																					
6.5.3	Percents					✓																						
6.5.4	Solve Percent Problems					✓																						
6.5.5	Problem Solving with Proportions			✓	✓	✓	✓																					
6.6.0	**Algebraic Reasoning: Write and Evaluate Expressions**																											
6.6.1	Introduction to Exponents																	✓										
6.6.2	Order of Operations																	✓	✓		✓							
6.6.3	Numerical Expressions																		✓		✓							
6.6.4	Transition to Algebraic Expressions																		✓	✓	✓							
6.6.5	Read and Write Algebraic Expressions Part 1																		✓	✓								
6.6.6	Read and Write Algebraic Expressions Part 2																		✓		✓							
6.6.7	Equivalent Expressions																					✓	✓					
6.6.8	Use Equivalent Expressions to Simplify																					✓	✓					
6.6.9	Problem Solving with Algebraic Expressions																		✓		✓	✓	✓					
6.7.0	**Equations and Inequalities**																											
6.7.1	Check for Solutions to Equations																							✓				
6.7.2	Write 1-Variable Equations																								✓			
6.7.3	Solve 1-Variable Equations																								✓	✓		
6.7.4	Problem Solving with 1-Variable Equations																									✓		
6.7.5	Represent 2-Variable Relationships																											✓
6.7.6	Analyze Relationships Using Tables and Graphs																											✓
6.7.7	Relate Tables and Graphs to Equations																											✓
6.7.8	Write Inequalities																							✓			✓	
6.7.9	Solutions of Inequalities																										✓	

*This lesson also addresses M.6.23

Grade 7 -- West Virginia College- and Career-Readiness Standards

		Analyze proportional relationships and use them to solve real-world and mathematical problems.						Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.									Use properties of operations to generate equivalent expressions.		Solve real-life and mathematical problems using numerical and algebraic expressions and equations.		
No.	**Unit/Lesson**	M.7.1	M.7.2a	M.7.2b	M.7.2c	M.7.2d	M.7.3	M.7.4a	M.7.4b	M.7.4c	M.7.4d	M.7.5a	M.7.5b	M.7.5c	M.7.5d	M.7.6	M.7.7	M.7.8	M.7.9	M.7.10a	M.7.10b
7.1.0	**Operations with Integers**																				
7.1.1	Add and Subtract Integers on the Number Line								✓	✓											
7.1.2	Add and Subtract Integers							✓	✓	✓	✓										
7.1.3	Multiply Integers on the Number Line											✓		✓							
7.1.4	Multiply Integers											✓		✓							
7.1.5	Multiply and Divide Integers												✓	✓							
7.1.6	Problem Solving with Integers										✓			✓					✓		
7.2.0	**Operations with Rational Numbers**																				
7.2.1	Add, Subtract, and Multiply Rational Numbers								✓	✓		✓									
7.2.2	Operations with Rational Numbers										✓			✓		✓					
7.2.3	Multiply and Divide Rational Numbers												✓	✓							
7.2.4	Fractions as Division												✓	✓							
7.2.5	Numerical Expressions with Rational Numbers															✓			✓		
7.2.6	Decimals and Fractions														✓						
7.2.7	Problem Solving with Rational Numbers															✓			✓		
7.3.0	**Unit Rates and Proportional Reasoning**																				
7.3.1	Find and Compare Unit Rates	✓																			
7.3.2	Identify Proportional Relationships from Tables and Graphs		✓																		
7.3.3	Proportional Relationships in Tables and Graphs			✓		✓															
7.3.4	Tables, Graphs, and Equations of Proportional Relationships			✓	✓																
7.3.5	Scale Drawings*			✓			✓														
7.3.6	Represent Proportional Relationships			✓																	
7.3.7	Problem Solving with Unit Rates and Constant of Proportionality						✓												✓		
7.4.0	**Proportional Reasoning and Percents**																				
7.4.1	Represent and Solve Proportions						✓														
7.4.2	Proportional Relationships and Percents						✓														
7.4.3	Proportional Relationships and Percent Change						✓														
7.4.4	Problem Solving with Percent Change						✓												✓		
7.4.5	Problem Solving with Proportional Relationships						✓												✓		
7.5.0	**Algebraic Expressions**																				
7.5.1	Add and Subtract Linear Expressions																✓				
7.5.2	Expand Linear Expressions																✓				
7.5.3	Expand and Factor Linear Expressions																✓				
7.5.4	Analyze Equivalent Expressions																	✓			
7.5.5	Simplify Multi-Step Expressions																✓		✓		
7.6.0	**Write and Solve Equations and Inequalities**																				
7.6.1	One-Step Equations with Rational Numbers																			✓	
7.6.2	Write Multi-Step Equations to Model Problems																		✓	✓	
7.6.3	Solve Multi-Step Equations																		✓	✓	
7.6.4	Problem Solving with Equations																		✓	✓	
7.6.5	Write Inequalities to Model Problems																				✓
7.6.6	Write and Solve Inequalities Part 1																				✓
7.6.7	Write and Solve Inequalities Part 2																				✓
7.6.8	Problem Solving with Inequalities																		✓		✓
7.7.0	**Equations in Measurement and Geometry**																				
7.7.1	Circumference of a Circle**																				
7.7.2	Area and Circumference of a Circle***		✓																		
7.7.3	Problem Solving with Circles****																		✓	✓	
7.7.4	Area and Surface Area of 2- and 3-Dimensional Objects****																			✓	
7.7.5	Surface Area and Volume of 3-Dimensional Objects****																			✓	
7.7.6	Problem Solving with 2- and 3-Dimensional Objects****																		✓	✓	

*This lesson also addresses M.7.11

**This lesson addresses M.7.14

***This lesson also addresses M.7.14 and M.7.16

****This lesson also addresses M.7.16