First Nine Weeks **NEW 2016 MATH SOL**	**Text book Topic, PAGE**	**Old 2009 SOL**
Fractions, Mixed numbers, Decimals **6.5** The student will a) multiply and divide fractions and mixed numbers; b) solve single-step and multistep practical problems involving addition, subtraction, multiplication, and division of fractions and mixed numbers; and c) solve multistep practical problems involving addition, subtraction, multiplication, and division of decimals. **(Included on SOL test --From EKS:** --demonstrate multiple representations of multiplication and division of fractions.)	**TOPIC-1 &3** 19A-24B 31A-36B 37A-42B 43A-48B 49A-54B 55 57-58 7A-12B 13A-18B 55-56 58	**6.6**The student will a) multiply and divide fractions and mixed numbers; and b) estimate solutions and then solve single-step and multistep practical problems involving addition, subtraction, multiplication, and division of fractions. **6.7** The student will solve single-step and multistep practical problems involving addition, subtraction, multiplication, and division of decimals
Ratios **6.1** The student will represent relationships between quantities using ratios, and will use appropriate notations, such as a/b , a to b, and a:b.	**TOPIC-5** 257A-262B 263A-268B 269A-274B 275A-280B 283A-288B 289A-294B 295A-300B 323-328	**6.1**The student will describe and compare data, using ratios, and will use appropriate notations, such as a/b, a to b, and a:b.
Equivalent Fractions, Mixed numbers, Decimals, Percent **6.2** The student will a) represent and determine equivalencies among fractions, mixed numbers, decimals, and percents; b) compare and order positive rational numbers. **(Included on SOL test --From EKS:** --investigate and describe fractions, decimals, and percents as ratios)	**TOPIC-2, 6** 71A-76B 335A-340B 341A-356B 347A-352B 355A-360B 361A-366B 367A-372B 377-380 107-108	**6.2** The student will a) investigate and describe fractions, decimals, and percents as ratios; b) identify a given fraction, decimal, or percent from a representation; c) demonstrate equivalent relationships among fractions, decimals, and percents; and d) compare and order fractions, decimals, and percents.
BENCHMARK ONE		**Benchmark Assessment when instruction is complete ……………**

Second Nine Weeks **NEW 2016 MATH SOL**	Text book Topic, PAGE	Old 2009 SOL
Exponents and Perfet Squares **6.4** The student will recognize and represent patterns with whole number exponents and perfect squares.	**TOPIC-3** 117A-122B 168	**6.5** The student will investigate and describe concepts of positive exponents and perfect squares
Integers –Absolute value **6.3** The student will a) identify and represent integers; b) compare and order integers; and c) identify and describe absolute value of integers	**TOPIC-2** 65A-70B 71A-76B 107-108 77A-82B 109	**6.3** The student will a) identify and represent integers; b) order and compare integers; and c) identify and describe absolute value of integers.
Integers --Computation and Estimation **6.6** The student will a) add, subtract, multiply, and divide integers; b) solve practical problems involving operations with integers; c) simplify numerical expressions involving integers.	**TOPIC-2** VA1A-VA4 VA5A-VA8 VA9A-VA12 VA13-VA16 131A-136B 169	**6.8** The student will evaluate whole number numerical expressions, using the order of operations.
Coordinate Plane **6.8** The student will a) identify the components of the coordinate plane; and b) identify the coordinates of a point and graph ordered pairs in a coordinate plane.	**TOPIC-2** 85A-90B 109 95A-100B 101A-106B 109-110 111 447	**6.11** The student will a) identify the coordinates of a point in a coordinate plane; and b) graph ordered pairs in a coordinate plane.
Congruency **6.9** The student will determine congruence of segments, angles, and polygons. **(Included on SOL test --From EKS:** – Identify regular polygons; draw lines of symmetry for regular polygons)	**TOPIC-7** VA35-VA36	**6.12** The student will determine congruence of segments, angles, and polygons.
BENCHMARK TWO	**Benchmark Assessment when instruction is complete ……………**	

Third Nine Weeks NEW 2016 MATH SOL	Text book Topic, PAGE	Old 2009 SOL
Solve One-Step Linear Equations **6.13** The student will solve one-step linear equations in one variable, including practical problems that require the solution of a one-step linear equation in one variable. **(Included on SOL test --From EKS:** **Write verbal expressions and sentences as algebraic expressions and equations; write algebraic expressions and equations as verbal expressions and sentences.)**	**TOPIC-3 & 4** 139A-144B 169 177A-182B 183A-188B 189A-194B 195A-200B 201A-208B 246-247	**6.18** The student will solve one-step linear equations in one variable involving whole number coefficients and positive rational solutions
Solve One-Step Linear Inequalities **6.14** The student will a) represent a practical situation with a linear inequality in one variable; and b) solve one-step linear inequalities in one variable, involving addition or subtraction, and graph the solution on a number line. **(Included on SOL test --From EKS:** **– Identify a value that is a solution to an inequality)**	**TOPIC-4** 211A-216B 217A-222B 248 VA17-VA18	**6.20** The student will graph inequalities on a number line.
Proportional Reasoning **6.12** The student will a) represent a proportional relationship between two quantities, including those arising from practical situations; b) determine the unit rate of a proportional relationship and use it to find a missing value in a ratio table; c) determine whether a proportional relationship exists between two quantities; d) make connections between and among representations of a proportional relationship between two quantities using verbal descriptions, ratio tables, and graphs.	**TOPIC-5** 263A-268B 269A-274B 275A-280B 289A-294B 295A-300B 323-328 VA19A-VA22 VA23A-VA26 283A-288B 326, 327 325	
BENCHMARK THREE	**Benchmark Assessment when instruction is complete ……………**	

Fourth Nine Weeks NEW 2016 MATH SOL	Text book Topic, PAGE	Old 2009 SOL
Circumference, Area, Perimeter **6.7** The student will a) derive π (pi); b) solve problems, including practical problems, involving circumference and area of a circle; and c) solve problems, including practical problems, involving area and perimeter of triangles and rectangles. (Describe and determine the volume and surface area of a rectangular prism moved to seventh grade)	**TOPIC-2 & 7** VA27, EXAMPLE_1 TEACHER SUPPORT VA29-VA30 EXERCISE 10 VA31A-VA34 101A-106B 110 387A-392B 393A-398B 399A-404B 405A-410B 441-443	**6.10** The student will a) define π (pi) as the ratio of the circumference of a circle to its diameter; b) solve practical problems involving circumference and area of a circle, given the diameter or radius; c) solve practical problems involving area and perimeter; and d) describe and determine the volume and surface area of a rectangular prism.
Data –Circle Graphs, Bar Graphs, Line Plots **6.10** The student, given a practical situation, will a) represent data in a circle graph; b) make observations and inferences about data represented in a circle graph; and c) compare circle graphs with the same data represented in bar graphs, pictographs, and line plots.	**TOPIC-8** VA37A-VA40	**6.14** The student, given a problem situation, will a) construct circle graphs; b) draw conclusions and make predictions, using circle graphs; c) compare and contrast graphs that present information from the same data set.
Data –Mean as the Balance Point **6.11** The student will a) represent the mean of a data set graphically as the balance point; and b) determine the effect on measures of center when a single value of a data set is added, removed, or changed. (Decide which measure of center is appropriate for a given purpose omitted)	**TOPIC-8** VA41A-VA42 460-TRY IT 464-465 EXERCISE 13, 14, 17, 21, 22	**6.15** The student will a) describe mean as balance point; and b) decide which measure of center is appropriate for a given purpose.
END OF FOURTH NINE-WEEKS **NO FORMAL BENCHMARK**	**Use a Formative Assessment to acquire data concerning student understanding**	

2018-2019 CIP PACING GUIDE FOR MATH 7

1ST QUARTER	
Standard	Bullet (s)
6.1	
6.2	A, B
6.5	A, B, C
BENCHMARK TEST	

2ND QUARTER	
Standard	Bullet (s)
6.3	
6.4	
6.6	A, B, C
6.8	A, B
6.9	
BENCHMARK TEST	

3RD QUARTER	
Standard	Bullet (s)
6.12	A, B, C, D
6.13	
6.14	A, B
BENCHMARK TEST	

4TH QUARTER	
Standard	Bullet (s)
6.7	
6.10	
6.11	
SOL TEST	