

FINAL -- 2018-2019 – YEAR AT A GLANCE – GRADE 4 MATH (Revised JULY, 2018)

Grade 4 Curriculum Framework 2016 Standards of Learning VDOE		Grade 4 Crosswalk Document VDOE	
Grade 4 Math Word Wall Cards VDOE		Grade 4 Narrated Crosswalk Presentation VDOE	
1 st Nine-Weeks	2 nd Nine-Weeks	3 rd Nine-Weeks	4 th Nine-Weeks
<p>Spiral: Time, patterns, measurement, problem solving, multiplication facts</p> <p>4.1 Place value-whole numbers through millions 4.1a) read, write, and identify the place and value of a nine-digit number; 4.1b) compare and order whole numbers expressed through millions 4.1c) Round whole numbers through millions to the nearest thousand, ten thousand, and hundred thousand.</p> <p>*4.4b) Estimate & determine whole number sums & differences problems 4.4d) Create & Solve whole number addition & subtraction problems</p> <p>4.4a) Multiplication facts through 12 x 12</p> <p>4.9 Elapsed Time Solve problems -hours and minutes within 12 hours</p> <p>4.14 Data & Graphs 4.14a) collect, organize, and represent data in bar graphs and line graphs; 4.14b) interpret data represented in bar graphs and line graphs; and 4.14c) Compare two different representations of the same data</p> <p>4.15 Patterns Identify, describe patterns found in objects, pictures.</p> <p>4.16 Equality recognize and demonstrate the meaning of equality</p>	<p>Spiral: Time, patterns, measurement, problem solving, multiplication facts</p> <p>*4.4 Estimate & Solve whole number multiplication and division problems 4.4a) Multiplication Facts 12 X 12 4.4b) estimate and determine sums, differences, and products of whole numbers; 4.4c) estimate and determine quotients of whole numbers, with and without remainders; and 4.4d) Create and solve single-step and multistep practical problems involving multiplication, and single-step practical problems involving division with whole numbers.</p> <p>4.16 Equality recognize and demonstrate the meaning of equality in an equation</p> <p>4.8a) Measurement: estimate and measure length 4.8b) Measurement: estimate and measure weight/mass</p>	<p>4.2 Fractions 4.2a) compare and order fractions and mixed numbers, with and without models 4.2b) represent equivalent fractions; and 4.2c) Identify the division statement that represents a fraction, with models</p> <p>4.5 Add and Subtract Fractions 4.5a) Determine common multiples and factors, including LCM and GCF 4.5b) add and subtract fractions and mixed numbers having like and unlike denominators 4.5c) solve single-step practical problems involving addition and subtraction</p> <p>4.13 Probability 4.13a) determine the likelihood of an outcome of a simple event 4.13b) represent probability as a number between 0 and 1 4.13c) Create a model or practical problem to represent a given probability.</p> <p>4.3 Decimals 4.3a) Read, write, represent, and identify decimals through thousandths; 4.3b) Round decimals to the nearest whole number 4.3c) compare and order decimals 4.3d) write the decimal and fraction equivalent models</p> <p>4.6a) Decimals: add and subtract with decimals</p>	<p>4.6b) Decimals: Solve single-step and multistep practical problems involving addition and subtraction with decimals.</p> <p>4.10 Identify & Describe Geometric Terms 4.10a) identify and describe points, lines, line segments, rays, angles, endpoints and vertices 4.10b) identify and describe intersecting, parallel, and perpendicular lines.</p> <p>4.11 Plane and Solid Figures Identify, describe, compare, and contrast plane and solid figures</p> <p>4.12 Polygons Classify quadrilaterals as parallelograms, rectangles, squares, rhombi, trapezoids.</p> <p>4.7 Perimeter & Area Solve problems to determine perimeter and area</p> <p>4.8c) Measurement: identify equivalent measures of-length, weight/mass, volume (US Customary only) 4.8d) Measurement: Solve practical problems involving length, weight/mass, and liquid volume (US Customary only)</p> <p>4.9 Elapsed Time -REVIEW</p>