Virginia Mathematics - VAAP

Grade 4

Number, Number Sense, Computation, and Estimation

1 **Match number names to numerals from 0 through 40.** M-4.1

2 **Use place value to identify numbers that are multiples of 10 and understand the difference between ones and tens place.** M-4.2

CC. Whole numbers presented as multiples of 10 could range from 0 through 40. Understanding place value could include identifying the digit in the ones or tens place or its value. M-4.2.CC

3 **Identify the closest number above or below a given number from 0 through 40.** M-4.3

4 **Compare whole numbers from 0 through 40 or the fractions of 1/2 and 1/4.** M-4.4

CC. Whole numbers 0 through 40 and fractions 1/2 and 1/4 could be compared with the words “smaller,” “same,” “larger,” or “less than,” “equal,” “greater than,” or with the symbols <, =, >. M-4.4.CC

5 **Identify wholes, halves, or fourths.** M-4.5

CC. Representations of wholes, halves, or fourths could be presented in simple pictures, diagrams, models, or other representations. M-4.5.CC

6 **Compare whole numbers from 0 through 40 or decimals from 0.0 through 5.5.** M-4.6

CC. Whole numbers from 0 through 40 or decimals of 0.5 through 5.5 (0.5, 1.0, 1.5, 2.0, … ,5.5) could be compared with the words “smaller,” “larger,” “same,” “less than,” “equal,” “greater than,” or with the symbols <, =, >. M-4.6.CC

7 **Identify whole numbers 0 through 40 and match decimals 0.25 and 0.5 with 1/4 and 1/2.** M-4.7

CC. Identifying whole numbers from 0 through 40. Matching decimals of 0.25 and 0.5 with 1/4 and 1/2 could range from 0.25 through 5.5 (e.g., 0.25 = 1/4, 0.5 = 1/2, 1.25 = 1 1/4, 1.5 = 1 1/2, … , 5.25 = 5 1/4, 5.5 = 5 1/2). M-4.7.CC

8 **Multiply whole numbers from 0 through 10; match an array to the correct whole number from 0 through 40.** M-4.8

CC. Whole numbers being multiplied could range from 0 through 10 with their product or the array not to exceed 40. M-4.8.CC

9 **Add and subtract whole numbers from 0 through 40.** M-4.9

CC. Whole numbers 0 through 40 could be added or subtracted with answers not to exceed 40. M-4.9.CC

10 Solve division problems using numbers from 1 through 10. M-4.10

CC. Problems could include simple pictures, diagrams, models, or other representations of whole numbers. M-4.10.CC

11 Solve one-step word problems using addition, subtraction, or multiplication. M-4.11

CC. Given a context, numbers from 0 through 40 could be added, subtracted, or multiplied, with the solution not to exceed 40. M-4.11.CC

12 Add and subtract wholes, halves, and fourths. M-4.12

CC. Using a number line, add and subtract whole numbers, halves, and fourths from 0 through 20. M-4.12.CC

13 Solve one-step word problems using addition and subtraction of wholes, halves, and fourths. M-4.13

CC. Given a context, add and subtract whole numbers, halves, and fourths from 0 through 20. M-4.13.CC

14 Use a variety of coins to count the value through 50 cents. M-4.14

CC. Coins could include pennies, nickels, dimes, and quarters. Same or different coins could be counted with a total value of 50 cents or less. M-4.14.CC

Measurement and Geometry

15 Use unit squares to determine areas up to 20 square feet. M-4.15

CC. Using simple pictures, diagrams, models, or representations, determine areas from 1 to 20 square feet. M-4.15.CC

16 Measure length in inches and centimeters. M-4.16

CC. Using simple pictures, diagrams, models, or representations, measure lengths in whole units of 1 to 12 inches or 1 to 30 centimeters. M-4.16.CC

17 Measure weight in pounds. M-4.17

CC . Using simple pictures, diagrams, models, or representations, measure weight in whole units of 1 to 40 pounds. M-4.17.CC

18 Tell time in whole hour and half hour increments using a digital clock, including with context. M-4.18

CC. Times could be on the hour and half hour, a.m. or p.m., and the terms noon and midnight could be included. Contexts will relate the time to an appropriate activity. M-4.18.CC

19 Identify points, line segments, and angles. M-4.19

CC. Using simple pictures, diagrams, models, or representations, identify points, line segments, or angles. M-4.19.CC

20 Identify circles, triangles, squares, and rectangles. M-4.20

CC. Using simple pictures, diagrams, models, or representations, identify circles, triangles, squares, and rectangles. M-4.20.CC

Probability, Statistics, Patterns, Functions, and Algebra

21 Interpret and compare data values represented in a picture or bar graph using simple terms: same, more, less. M-4.21

CC. Picture and bar graphs for interpretation and comparison could have values through 20 that range from having the same amounts to having significantly different or slightly different amounts. M-4.21.CC

22 Recognize and perform skip counting by 2s, 3s, 5s, and 10s. M-4.22

CC. Recognizing skip counting by 2s could include whole numbers 2 through 20. Performing skip counting by 2s, 3s, 5s, and 10s could include whole numbers 2 through 40. M-4.22.CC