Virginia Mathematics - VAAP

Grade 5

Number, Number Sense, Computation, and Estimation

1 **Identify the location of 0.5 decimals between two whole numbers on a number line; round 0.5 decimals up to the nearest whole number.** M-5.1

CC. Numbers to identify on a number line or to round to the nearest whole number could range by halves from 0.5 to 9.5. M-5.1.CC

2 **Identify whole numbers 0 through 60 and decimals with 0.5 when given a verbal description.** M-5.2

CC. Whole numbers to identify from a verbal description could range from 0 through 60. Decimals to identify could include 0.5, 1.5, 2.5, 3.5, 4.5, and 5.5. M-5.2.CC

3 **Use place value to identify numbers that are multiples of 10, and understand the difference between ones and tens place.** M-5.3

CC. Whole numbers presented as multiples of 10 could range from 0 through 60. Understanding place value could include identifying the digit in the ones or tens place or its value. M-5.3.CC

4 **Determine whether a number from 1 through 40 is divisible by 2, 3, 5, or 10.** M-5.4

CC. Numbers divisible by 2 could range from 2 through 10. Numbers divisible by 3 could range from 3 through 30, and numbers divisible by 5 or 10 could range from 5 or 10 through 40. M-5.4.CC

5 **Identify even and odd numbers.** M-5.5

CC. Representations of even and odd numbers could include simple pictures, diagrams, models, or other representations for whole numbers 1 through 10. M-5.5.CC

6 **Use currency for problems up to $1.00.** M-5.6

CC. Problems could include determining whether a set of the same or different coins is sufficient to purchase an item priced up to $1.00 or making change for $1.00. M-5.6.CC

7 **Solve division problems using numbers through 20.** M-5.7

CC. Representations could include simple pictures, diagrams, models, or other representations of whole numbers. Numbers to be divided will not exceed 20. M-5.7.CC

8 **Solve word problems involving addition and subtraction of whole numbers from 0 through 30 and adding mixed numbers ending in 1/2 and 1/4.** M-5.8

CC. Given a context, numbers from 0 through 30 could be added or subtracted; mixed numbers ending in 1/2 or 1/4 could be added. M-5.8.CC

9 **Solve word problems involving addition and subtraction of whole numbers 0 through 30 and adding decimal numbers ending in 0.5.** M-5.9

CC. Given a context, numbers from 0 to 30 could be added or subtracted including adding decimals ending in 0.5. M-5.9.CC

10 **Identify an equation that matches a verbal description involving the product of whole numbers and fractions including 1/2, 1/4, 1/3, and decimals ending in 0.5.** M-5.10

CC. Equations using only whole numbers have solutions ranging from 0 through 60. Equations using whole numbers and fractions or decimals have whole number solutions ranging from 0 through 40. M-5.10.CC

11 **Simplify expressions that use parentheses given a verbal or visual model.** M-5.11

CC. Expressions could include addition and subtraction of whole numbers from 0 through 60 with parentheses. M-5.11.CC

Measurement and Geometry

12 **Solve V = B x h volume problems when provided a model that includes the area measure of the base (B).** M-5.12

CC. The calculated volume of the provided models could range from 1 to 30 cubic units. M-5.12.CC

13 **Use addition to solve real world volume problems using unit cubic inches.** M-5.13

CC. The sum of the measures of volume could range from 1 to 30 cubic inches. M-5.13.CC

14 **Tell time and measure elapsed time in whole and half hour increments using a digital clock, including with context.** M-5.14

CC. Times could be on the hour or half hour and elapsed time could range from +/- 1 to 3 hours within a.m. or p.m. Contexts will relate the time to an appropriate activity. M-5.14.CC

15 **Identify the geometric shape of a given object (e.g., traffic sign).** M-5.15

CC. Objects presented could include circles, triangles, squares, rectangles pentagons, hexagons, or octagons. M-5.15.CC

Probability, Statistics, Patterns, Functions, and Algebra

16 **Use given data to interpret information from a line plot.** M-5.16

CC. The line plots presented could range from having 3 to 10 data points. M-5.16.CC

17 **Identify a missing number in a pattern when given an addition rule.** M-5.17

CC. The patterns with a missing number could have a rule of +1, +2, +3, +4, +5, or +10 with numbers ranging from 1 through 60. M-5.17.CC

18 **Identify expressions that match a verbal and/or graphic model.** M-5.18

CC. Expressions presented could have one, two, or three terms. M-5.18.CC