



**SuccessMaker<sup>®</sup>**

**Maryland College and Career-Ready Standards  
for Mathematics 2019  
Grade 3**

**Alignments to SuccessMaker  
Providing rigorous intervention  
for K-8 learners with unparalleled precision**

| Maryland Standards Codes | Maryland College and Career-Ready Standards for Mathematics 2019, Grade 3  | SuccessMaker Item Description  | Item ID       |
|--------------------------|--|--|---------------|
| 3.G.A.1                  | Understand that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category (e.g., quadrilaterals). Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories. | Identify the quadrilaterals in a set of figures.   | SMMA_LO_00615 |
|                          |  | Identify parallelograms, rhombuses, and trapezoids.  | SMMA_LO_00620 |
|                          |  | Identify the quadrilaterals that are trapezoids or rhombuses.  | SMMA_LO_00659 |
| 3.G.A.2                  | Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole. For example, partition a shape into 4 parts with equal area, and describe the area of each part as $\frac{1}{4}$ of the area of the shape.  | Identify a model that represents a fraction (halves, thirds, fourths).   | SMMA_LO_00404 |
|                          |  | Identify a fraction that represents a model (halves, thirds, fourths).   | SMMA_LO_00405 |
|                          |  | Draw one to two segments to divide a figure into two to four congruent parts.  | SMMA_LO_00640 |
|                          |  | Partition shapes into equal parts.   | SMMA_LO_02000 |
|                          |  | R: Identify the model that is divided into equal parts (2 to 8 parts).   | SMMA_LO_00400 |
|                          |  | R: Count the number of equal parts in a fractional model (2 to 8 parts).   | SMMA_LO_00402 |
|                          |  | R: Identify the figure divided into equal parts (halves to eighths).   | SMMA_LO_00417 |
| 3.MD.A.1                 | Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.  | Find the elapsed time (differences from 1 to 6 hours, does not cross 12 o'clock).  | SMMA_LO_00142 |
|                          |  | Find the time one to five hours before or after a given time (not crossing 12 o'clock).  | SMMA_LO_00153 |
|                          |  | Compare the difference of two times to a given time (1 to 24 hours, across 12 o'clock).  | SMMA_LO_00155 |
|                          |  | Find the time one to five hours before or after a given time (across 12 o'clock).  | SMMA_LO_00162 |
|                          |  | Find the time one to twelve hours and ten to fifty-five minutes from a starting time.  | SMMA_LO_00175 |
|                          |  | Find the elapsed time ( $1\frac{1}{2}$ to $6\frac{1}{2}$ hours, start times and end times on the hour or half-hour, can cross 12 o'clock). | SMMA_LO_00770 |
|                          |  | Show time to the minute using digital and analog clocks.   | SMMA_LO_00771 |
|                          |  | Show time 1 to 11 hours and 5 to 55 minutes before or after the time shown (analog and digital clocks).                                    | SMMA_LO_00775 |
|                          |  | Find the time 5 to 50 minutes after the time shown (analog clock).   | SMMA_LO_00798 |
|                          |  | Solve a problem by identifying the time 1 to 2 hours after a given time (not crossing 12 o'clock).   | SMMA_LO_01547 |
|                          |  | Set the digital clock to match the time on the analog clock to the exact minute.   | SMMA_LO_01670 |

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|                          |   | Show time 1 to 11 hours and 5 to 55 minutes before or after the time shown (analog and digital clocks). | SMMA_LO_02155  |
| 3.MD.A.2                 | Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem. | Add units of capacity (pints, sums 2 to 6).   | SMMA_LO_00764  |
|                          |   | Read weights from a chart; choose two weights that equal a given total (sums to 1,500).                 | SMMA_LO_01301  |
|                          |   | R: Select the appropriate standard unit of measurement for length, capacity, and weight (customary).    | SMMA_LO_00729  |
|                          |   | R: Add nonstandard units of capacity (sums 2 to 8).   | SMMA_LO_00739  |
|                          |   | R: Subtract nonstandard units of capacity (differences 0 to 3).   | SMMA_LO_00742  |
|                          |   | R: Find the capacity of a container (3 to 10 nonstandard units).  | SMMA_LO_00754  |
|                          |   | R: Select the appropriate standard unit of measurement for length, capacity, and weight (metric).       | SMMA_LO_00767  |
|                          |   | R: Identify the reasonable weight of an object (ounces, pounds, and tons).                              | SMMA_LO_00787  |
|                          |   | R: Choose the appropriate customary units of liquid measure (cups, quarts, and gallons).                | SMMA_LO_01674  |
| 3.MD.B.3                 | Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs. For example, draw a bar graph in which each square in the bar graph might represent 5 pets.                                      | Read and interpret a horizontal pictograph with a scale of 2 (five items).                              | SMMA_LO_00140  |
|                          |   | Make a pictograph from a set of data.   | SMMA_LO_00146  |
|                          |   | Select a circle graph whose sectors are in the same proportions as the data displayed in a given table. | SMMA_LO_01160  |
|                          |   | Compare the amounts of two rows in a pictograph whose scale is 2, 5, or 10 items per picture.           | SMMA_LO_01172  |
|                          |   | Compare the amounts of two rows in a pictograph whose scale is 2, 5, or 10 items per picture.           | SMMA_LO_01174  |
|                          |   | Complete and interpret a pictograph (partial pictures included).  | SMMA_LO_01207  |
|                          |   | Create a bar graph using data from a chart of values.   | SMMA_LO_01696  |
|                          |   | Create a bar graph.   | SMMA_LO_01769  |
|                          |   | 3.MD.B.4  | Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot where the horizontal scale is marked off in appropriate units – whole numbers, halves, or quarters. |

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| 3.MD.C.5a                | Recognize area as an attribute of plane figures and understand concepts of area measurement. a. A square with side length 1 unit, called "a unit square," is said to have "one square unit" of area, and can be used to measure area. b. A plane figure which can be covered without gaps or overlaps by $n$ unit squares is said to have an area of $n$ square units. | Identify a unit square and what attribute it is used to measure.   | SMMA_LO_02027 |
| 3.MD.C.5b                | A plane figure which can be covered without gaps or overlaps by $n$ unit squares is said to have an area of $n$ square units.  | Find the area of a plane figure made up of square units and halves of square units.  | SMMA_LO_02028 |
| 3.MD.C.6                 | Measure areas by counting unit squares (square cm, square m, square in., square ft., and improvised units).  | Find the sum of the areas of two figures (sums 3 to 8, nonstandard units).   | SMMA_LO_00752 |
|                          |  | Find the area of a rectangle (5 to 25 square centimeters).   | SMMA_LO_00773 |
|                          |  | Identify the figure in a set with the least or greatest area (figures are made up of squares).   | SMMA_LO_00776 |
|                          |  | Count squares and half squares to find the area of a figure in square centimeters.   | SMMA_LO_00783 |
|                          |  | Using a grid, find the area of a simple figure (8 to 60 nonstandard units).  | SMMA_LO_00786 |
|                          |  | Identify a figure with a given area on a geoboard (4 to 15 square units).  | SMMA_LO_00802 |
|                          |  | Estimate the area of a figure on a grid (3 to 11 square units).  | SMMA_LO_00808 |
|                          |  | Find the area of an irregular figure displayed on a grid (12 to 50 square units).  | SMMA_LO_01280 |
| 3.MD.C.7a                | Find the area of a rectangle with whole-number side lengths by tiling it, and show that the area is the same as would be found by multiplying the side lengths.  | Find the area of a rectangle by tiling it; complete an equation to show that the area is the same as would be found by multiplying the side lengths.           | SMMA_LO_02029 |
| 3.MD.C.7b                | Multiply side lengths to find areas of rectangles with whole number side lengths in the context of solving real world and mathematical problems, and represent whole-number products as rectangular areas in mathematical reasoning.   | Find the area of a rectangle (36 to 144 customary or metric square units).   | SMMA_LO_00173 |
|                          |  | Identify rectangles that have equal areas, but different dimensions.   | SMMA_LO_00823 |
|                          |  | Multiply side lengths to find the area of a rectangle in a real-world context; use area to represent a whole-number product by arranging tiles in a rectangle. | SMMA_LO_02030 |
| 3.MD.C.7c                | Use tiling to show in a concrete case that the area of a rectangle with whole-number side lengths $a$ and $b + c$ is the sum of $a \times b$ and $a \times c$ . Use  | Identify equivalent arrays with different factors.   | SMMA_LO_01715 |
|                          |  | Use partial sums and arrays to solve a two-digit by a one-digit multiplication problem.  | SMMA_LO_01716 |

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|                          | area models to represent the distributive property in mathematical reasoning.  | Tile a rectangle to find its area; represent the area of the rectangle in two different ways (length times width and the sum of the areas of two smaller rectangles). | SMMA_LO_02031 |
| 3.MD.C.7d                | Recognize area as additive. Find areas of rectilinear figures by decomposing them into non-overlapping rectangles and adding the areas of the non overlapping parts, applying this technique to solve real world problems.   | Find the area of a rectilinear figure in a context by decomposing it into two rectangles.   | SMMA_LO_02032 |
| 3.MD.D.8                 | Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with the same area and different perimeters. | Find the perimeter of a rectangle (24 to 48 customary or metric units).   | SMMA_LO_00169 |
|                          |  | Given the length of one side of a rectangle, measure another side, and then find the perimeter.   | SMMA_LO_00788 |
|                          |  | Given the lengths of all sides, find the perimeter of a rectangle.  | SMMA_LO_00821 |
|                          |  | Given a perimeter, mark equilateral polygons with the same side measures.   | SMMA_LO_00849 |
|                          |  | Identify examples of relationships between area and perimeter.  | SMMA_LO_00850 |
|                          |  | R: Count to find the perimeter (3 to 9 nonstandard units).  | SMMA_LO_00708 |
|                          |  | R: Identify the shape with the greater perimeter (3 to 11 nonstandard units).   | SMMA_LO_00734 |
|                          |  | R: Find the perimeter of a figure (3 to 10 nonstandard units).  | SMMA_LO_00757 |
|                          |  | R: Identify the expression for the perimeter of a figure.   | SMMA_LO_00818 |
| 3.NBT.A.1                | Use place value understanding to round whole numbers to the nearest 10 or 100.   | Round a two-digit number to the nearest ten.  | SMMA_LO_01028 |
|                          |  | Round a three-digit number to the nearest hundred.  | SMMA_LO_01036 |
|                          |  | Identify the best estimate for a sum of two numbers (two-digit addends, round to the nearest 10).   | SMMA_LO_01052 |
|                          |  | Round a two-digit or three-digit number to the nearest ten.   | SMMA_LO_01059 |
|                          |  | Round a three- to five-digit number to the nearest hundred.   | SMMA_LO_01081 |
|                          |  | Determine the reasonableness of a sum or difference (two- and three-digit numbers).   | SMMA_LO_01259 |
|                          |  | Estimate the sum by rounding to the nearest 10 (two-digit addends).   | SMMA_LO_01615 |
|                          |  | Round two-digit numbers to the nearest ten.   | SMMA_LO_01647 |
|                          |  | Round a two-digit number to the nearest ten (hundreds chart).   | SMMA_LO_01648 |
|                          |  | Round a two-digit number to the nearest ten.  | SMMA_LO_01649 |

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|                          |  | Round a three-digit number to the nearest hundred.  | SMMA_LO_01650 |
|                          |  | Round a three-digit number to the nearest hundred.  | SMMA_LO_01651 |
|                          |  | Estimate the difference (three-digit, differences 100 to 800).                                      | SMMA_LO_01676 |
| 3.NBT.A.2                | Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.                | Add two addends (a two-digit and a three-digit addend, sums 111 to 899, regrouping).                | SMMA_LO_00089 |
| 3.NBT.A.3                | Multiply one-digit whole numbers by multiples of 10 in the range of 10- 90 (e.g., $9 \times 80$ , $5 \times 60$ ) using strategies based on place value and properties of operations.          | Multiply whole numbers (student choice, products $20 \times 2$ to $90 \times 9$ , multiples of 10). | SMMA_LO_00878 |
|                          |  | Multiply whole numbers (products $2 \times 20$ to $90 \times 9$ , multiples of 10).                 | SMMA_LO_00885 |
| 3.NF.A.1                 | Understand a fraction $1/b$ as the quantity formed by 1 part when a whole is partitioned into $b$ equal parts; understand a fraction $a/b$ as the quantity formed by $a$ parts of size $1/b$ . | Identify the set of shapes that represents a fraction (halves, thirds, fourths).                    | SMMA_LO_00406 |
|                          |  | Identify the figure showing a fractional part shaded (halves, thirds, fourths).                     | SMMA_LO_00409 |
|                          |  | Identify the fraction representing a shaded region (halves, thirds, fourths).                       | SMMA_LO_00410 |
|                          |  | Identify the figure showing the fraction of a set shaded (halves, thirds, fourths).                 | SMMA_LO_00413 |
|                          |  | Identify a fractional portion of a set (halves, thirds, fourths).                                   | SMMA_LO_00415 |
|                          |  | Identify the figure showing a fraction of a region shaded (halves to eighths).                      | SMMA_LO_00420 |
|                          |  | Identify a fraction representing the shaded part (halves to eighths).                               | SMMA_LO_00421 |
|                          |  | Enter the fraction representing the shaded amount (halves to eighths).                              | SMMA_LO_00422 |
|                          |  | Solve a problem by finding the fractional amount of a set (halves to eighths).                      | SMMA_LO_00424 |
|                          |  | Identify a fractional portion of a set (halves to eighths).   | SMMA_LO_00425 |
|                          |  | Partition shapes into equal parts.  | SMMA_LO_02000 |
|                          |  | Model a fraction $a/b$ by filling in $a$ out of $b$ sections in a fraction model.                   | SMMA_LO_02034 |
|                          |  | R: Count the fractional parts and total number of parts in a region (halves, thirds, fourths).      | SMMA_LO_00403 |
|                          |  | R: Match the word name of a fraction to a fraction (halves, thirds, fourths).                       | SMMA_LO_00411 |
|                          |  | R: Count the fractional parts and total number of parts in a set (halves, thirds, fourths).         | SMMA_LO_00412 |
|                          |  | R: Match the word name of the fraction to the fraction (halves to eighths).                         | SMMA_LO_00416 |
|                          |  | R: Count shaded parts and the total number of parts (halves to eighths).                            | SMMA_LO_00419 |

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|                          |   | R: Count the shaded and total number of elements in a set (halves to eighths).                          | SMMA_LO_00423 |
| 3.NF.A.2a                | Represent a fraction $1/b$ on a number line diagram by defining the interval from 0 to 1 as the whole and partitioning it into $b$ equal parts. Recognize that each part has size $1/b$ and that the endpoint of the part based at 0 locates the number $1/b$ on the number line  | Represent a unit fraction $1/b$ by partitioning a number line and then finding $1/b$ on it.             | SMMA_LO_02148 |
| 3.NF.A.2b                | Represent a fraction $a/b$ on a number line diagram by marking off a lengths of $1/b$ from 0. Recognize that the resulting interval has size $a/b$ and that its endpoint locates the number $a/b$ on the number line.   | Enter the missing fraction on a number line (halves to eighths).  | SMMA_LO_00430 |
|                          |   | Identify a fraction for a given point on a number line divided into tenths, twelfths, or sixteenths.    | SMMA_LO_00431 |
| 3.NF.A.3a                | Represent two fractions as equivalent (equal) if they are the same size, or the same point on the number line.  | Model equivalent fractions; identify equivalent fractions on a number line.                             | SMMA_LO_02035 |
| 3.NF.A.3b                | Recognize and generate simple equivalent fractions, e.g., $1/2 = 2/4$ , $4/6 = 2/3$ . Explain why the fractions are equivalent, e.g., by using a visual fraction model.   | Using models, find equivalent fractions (halves to sixteenths).   | SMMA_LO_00433 |
|                          |   | Determine if a fraction can be simplified; simplify if possible (simplified fractions $1/2$ to $3/4$ ). | SMMA_LO_00452 |
|                          |   | Identify two equivalent fractions for $1/2$ .   | SMMA_LO_01708 |
| 3.NF.A.3c                | Express whole numbers as fractions, and recognize fractions that are equivalent to whole numbers. Examples: Express 3 in the form $3 = 3/1$ ; recognize that $6/1 = 6$ ; locate $4/4$ and 1 at the same point of a number line diagram.   | Find a fraction equal to 1 (halves to eighths).   | SMMA_LO_00427 |
|                          |   | Using a model, rewrite a whole number as a fraction (halves to eighths).                                | SMMA_LO_00443 |
| 3.NF.A.3d                | Compare two fractions with the same numerator or the same denominator by reasoning about their size. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with the symbols $>$ , $=$ , or $<$ , and justify the conclusions, e.g., by using a visual fraction model. | Using a number line, compare fractions (like denominators, halves to sixteenths).                       | SMMA_LO_00434 |
|                          |   | Using models, compare fractions (unlike denominators, numerators equal to one, halves to sixteenths).   | SMMA_LO_00435 |
|                          |   | Compare fractions (like denominators, thirds to sixteenths).  | SMMA_LO_00447 |
| 3.OA.A.1                 | Interpret products of whole numbers, e.g., interpret $5 \times 7$ as the total number of objects in 5 groups of 7 objects each. For example, describe a context in which a total number of objects can be expressed as $5 \times 7$ .   | Make a picture to solve a multiplication problem (basic facts).   | SMMA_LO_01237 |
|                          |   | Identify a picture that represents a multiplication problem (basic facts).                              | SMMA_LO_01246 |
|                          |   | R: Solve addition and multiplication problems (products $2 \times 6$ to $2 \times 9$ ).                 | SMMA_LO_00854 |

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| 3.OA.A.2  | Interpret whole-number quotients of whole numbers, e.g., interpret $56 \div 8$ as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each. For example, describe a context in which a number of shares or a number of groups can be expressed as $56 \div 8$ . | Make a picture to solve a division problem (math facts).   | SMMA_LO_01238 |
|   |  | Identify a picture that represents a division problem (math facts).  | SMMA_LO_01245 |
| 3.OA.A.3  | Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.   | Divide using graphic models (combinations to $5 \times 5$ ).   | SMMA_LO_00279 |
|   |  | Identify the method to solve a multiplication problem with extra information.  | SMMA_LO_01267 |
|   |  | Identify the method to solve a division problem with extra information.  | SMMA_LO_01268 |
|   |  | Identify the missing information needed to solve a multiplication problem in context; then solve the problem.                  | SMMA_LO_01283 |
|   |  | Make a picture to solve a partitive division problem (dividends to 20).  | SMMA_LO_01564 |
|   |  | Make a picture to solve a quotative division problem (dividends to 20).  | SMMA_LO_01565 |
|   |  | Identify and solve an expression that represents a multiplication problem in context (model shown, products to 32).            | SMMA_LO_01570 |
|   |  | Find twice the amount of the money shown (products to 20).   | SMMA_LO_01571 |
|   |  | Solve a multiplication problem in context (counting feedback, products $2 \times 2$ to $5 \times 5$ ).                         | SMMA_LO_01572 |
|   |  | Solve a multiplication problem in context (repeated addition feedback, products $2 \times 2$ to $5 \times 5$ ).                | SMMA_LO_01578 |
|   |  | Solve a multiplication problem in context with extra information.  | SMMA_LO_01589 |
|   |  | Identify and solve an expression that represents a multiplication problem in context (products $3 \times 4$ to $9 \times 9$ ). | SMMA_LO_01590 |
|   |  | Solve a problem using data in a table (twice, half, three times, or four times an amount).                                     | SMMA_LO_01593 |
|   |  | Solve a one-step division problem (math facts $2 \times 2$ to $9 \times 9$ ).  | SMMA_LO_01600 |
|   |  | Identify the expression that represents a division problem in context; then solve the problem (dividends 12 to 81).            | SMMA_LO_01605 |
| Use repeated subtraction to solve a division problem (dividends 4 to 24). | SMMA_LO_01664  |  |               |

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|                          |   | Identify four arrays for a given product (products 6 to 30).  | SMMA_LO_01858 |
|                          |   | R: Identify the number sentence that represents a division problem in context (model shown, dividends to 20). | SMMA_LO_01569 |
|                          |   | R: Create arrays for a given product (products 6 to 30).  | SMMA_LO_01859 |
| 3.OA.A.4                 | Determine the unknown whole number in a multiplication or division equation relating three whole numbers. For example, determine the unknown number that makes the equation true in each of the equations $8 \times ? = 48$ , $5 = \square \div 3$ , $6 \times 6 = ?$   | Find the missing dividend or divisor (combinations 4 x 4 to 7 x 7).   | SMMA_LO_00285 |
|                          |   | Solve for a or b in $a \times b = c$ (products 1 x 2 to 5 x 9).   | SMMA_LO_00351 |
|                          |   | Solve for a or b in $a \div b = c$ (combinations 1 x 2 to 5 x 5).   | SMMA_LO_00352 |
|                          |   | Solve for a or b in $a \div b = c$ (combinations 6 x 6 to 9 x 9).   | SMMA_LO_00354 |
|                          |   | Find the missing factor (products to 5 x 5).  | SMMA_LO_00856 |
|                          |   | Find the missing factor (products to 5 x 5).  | SMMA_LO_00858 |
|                          |   | Find the missing factor (products 1 x 6 to 5 x 9).  | SMMA_LO_00860 |
|                          |   | Find the missing factor (products 1 x 6 to 5 x 9).  | SMMA_LO_00862 |
|                          |   | Find the missing factor (products 1 x 6 to 9 x 5).  | SMMA_LO_00864 |
|                          |   | Find the missing factor (products 6 x 1 to 9 x 5).  | SMMA_LO_00866 |
|                          |   | Find the missing factor (products 6 x 6 to 9 x 9).  | SMMA_LO_00873 |
|                          |   | Find the missing factor (products 6 x 6 to 9 x 9).  | SMMA_LO_00877 |
|                          |   | Find the missing factor (products 2 x 2 to 12 x 12).  | SMMA_LO_00881 |
|                          |   | Find the missing factor (products 20 x 11 to 90 x 99, multiples of 10).                                       | SMMA_LO_00891 |
|                          |   | R: Complete fact families with four facts (products 2 x 3 to 8 x 9).  | SMMA_LO_00344 |
| 3.OA.B.5                 | Apply properties of operations as strategies to multiply and divide, For example:<br>If $6 \times 4 = 24$ is known, then $4 \times 6 = 24$ is also known (Commutative property of multiplication) $3 \times 5 \times 2$ can be found by $3 \times 5 = 15$ , then $15 \times 2 = 30$ , or by $5 \times 2 = 10$ , then $3 \times 10 = 30$ . (Associative property of multiplication) Knowing that $8 \times 5 = 40$ and $8 \times 2 = 16$ , one can find $8 \times 7$ as $8 \times (5 + 2) = (8 \times 5) + (8 \times 2)$ which leads to $40 + 16 = 56$ . (Distributive property) | Apply the Commutative Property of Multiplication as a strategy to multiply and divide whole numbers.          | SMMA_LO_02036 |
|                          |   | Apply the Associative Property of Multiplication as a strategy to multiply whole numbers.                     | SMMA_LO_02037 |
|                          |   | Apply the Distributive Property as a strategy to multiply whole numbers.                                      | SMMA_LO_02038 |

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| 3.OA.B.6                 | Understand division as an unknown-factor problem. For example, find $32 \div 8$ by finding the number that makes 32 when multiplied by 8.  | Represent a division problem as an unknown-factor problem; then find the missing factor. | SMMA_LO_02039 |
| 3.OA.C.7                 | Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that $8 \times 5 = 40$ , one knows $40 \div 5 = 8$ ) or properties of operations. By the end of Grade 3, know from memory all products of two one-digit numbers. | Divide using basic facts (combinations to 5 x 5).  | SMMA_LO_00280 |
|                          |  | Divide using basic facts (combinations 2 x 6 to 9 x 5).                                  | SMMA_LO_00282 |
|                          |  | Divide (combinations 6 x 6 to 9 x 9, no remainder).                                      | SMMA_LO_00284 |
|                          |  | Divide (combinations 2 x 10 to 5 x 12).  | SMMA_LO_00286 |
|                          |  | Divide (combinations 5 x 9 to 6 x 12).   | SMMA_LO_00288 |
|                          |  | Divide (combinations 2 x 13 to 5 x 19, no remainder).                                    | SMMA_LO_00305 |
|                          |  | Solve for c in $a \times b = c$ (products 1 x 2 to 5 x 9).                               | SMMA_LO_00346 |
|                          |  | Find the quotient (dividends 6 x 6 to 9 x 9).  | SMMA_LO_00349 |
|                          |  | Compare products (products 2 x 2 to 9 x 9).  | SMMA_LO_00350 |
|                          |  | Solve for c in $a \times b = c$ (products 6 x 2 to 9 x 12).                              | SMMA_LO_00353 |
|                          |  | Compare quotients (combinations 2 x 2 to 9 x 9).   | SMMA_LO_00355 |
|                          |  | Multiply whole numbers (products to 5 x 5).  | SMMA_LO_00855 |
|                          |  | Multiply two one-digit numbers (products 6 x 1 to 9 x 5).                                | SMMA_LO_00857 |
|                          |  | Multiply two one-digit numbers (displayed horizontally (products 1 x 6 to 5 x 9).        | SMMA_LO_00859 |
|                          |  | Multiply two one-digit numbers (products 1 x 2 to 5 x 5).                                | SMMA_LO_00861 |
|                          |  | Multiply two one-digit numbers (products 1 x 6 to 5 x 9).                                | SMMA_LO_00863 |
|                          |  | Multiply two one-digit numbers (products 6 x 2 to 9 x 5).                                | SMMA_LO_00865 |
|                          |  | Multiply two one-digit numbers (products 6 x 6 to 9 x 9).                                | SMMA_LO_00867 |
|                          |  | Multiply two one-digit numbers displayed horizontally (products 6 x 6 to 9 x 9).         | SMMA_LO_00868 |

| Maryland Standards Codes   | Maryland College and Career-Ready Standards for Mathematics 2019, Grade 3  | SuccessMaker Item Description  | Item ID       |
|--|--|--|---------------|
| 3.OA.D.8   | Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.                          | Work backward to solve a two-step problem.   | SMMA_LO_01288 |
|  |  | Find the missing information needed to solve a problem; then solve.  | SMMA_LO_01293 |
|  |  | Estimate the distance by rounding ( $d = rt$ ).  | SMMA_LO_01606 |
|  |  | Solve a two-step multiplication and addition problem in context.   | SMMA_LO_01633 |
|  |  | R: Solve for a, b, or c in $a + b + c = d$ (sums 10 to 19).  | SMMA_LO_00335 |
|  |  | R: Solve for d in $a + b + c = d$ (one-digit addends, sums 20 to 27).  | SMMA_LO_00339 |
|  |  | R: Identify the missing operation in a subtraction or addition number sentence (basic facts).  | SMMA_LO_01031 |
|  |  | R: Identify the missing operation (sums 20 to 99, differences 10 to 70).   | SMMA_LO_01055 |
|  |  | R: Identify the missing operation in a number sentence (all operations).   | SMMA_LO_01074 |
|  |  | R: Identify a number sentence that can be used to solve an addition, a subtraction, or a multiplication problem (one- or two-digit). | SMMA_LO_01254 |
|  |  | R: Identify a number sentence that could be used to solve a multiplication problem.  | SMMA_LO_01270 |
|  |  | R: Identify extra information in a problem.  | SMMA_LO_01272 |
|  |  | R: Identify the missing information needed to solve a two-step problem; then solve the problem.                                      | SMMA_LO_01274 |
|  |  | R: Identify an expression that can be used to solve a problem (inverse operations).  | SMMA_LO_01275 |
|  |  | R: Estimate the number of objects to the nearest ten (21 to 49 objects).   | SMMA_LO_01548 |
| R: Solve a problem in context that involves finding the difference of 2 three-digit numbers. | SMMA_LO_01610  |  |               |
| 3.OA.D.9   | Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations. For example, observe that 4 times a number is always even and explain why 4 times a number can be decomposed into two equal addends. | Identify if the sum, difference, or product of two numbers is even or odd.   | SMMA_LO_01086 |

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