



SuccessMaker[®]

**Missouri Mathematics Learning Standards:
Grade Level Expectations 2016, Grade K**

Alignments to SuccessMaker

Providing rigorous intervention
for K-8 learners with unparalleled precision

| Missouri Learning Standards Code | Missouri Mathematics Learning Standards:: Grade Level Expectations, 2016 Grade K | SuccessMaker Item Description | Item ID |
|----------------------------------|--|--|---------------|
| NS | Number Sense | | |
| NS.A | Know the number names and the count sequence. | | |
| NS.A.1 | Count to 100 by ones and tens. | Find a missing number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00960 |
| NS.A.3 | Count backward from a given number between 10 and 1. | Find the next number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00948 |
| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are when 1 more is added. | SMMA_LO_02093 |
| | | Subtract using basic math facts (minuends 2 to 10). | SMMA_LO_01413 |
| | | Make a group with 6 to 9 objects. | SMMA_LO_00945 |
| | | Subtract using basic math facts displayed horizontally (minuends 6 to 9). | SMMA_LO_01417 |
| | | Enter the number of ones equal to number 1 to 9. | SMMA_LO_00973 |
| | | Add using basic math facts displayed horizontally (sums 6 to 10). | SMMA_LO_00013 |
| | | Find a number equal to 2 to 9 ones. | SMMA_LO_00972 |
| | | Identify a number from a spoken number (6 to 9). | SMMA_LO_00944 |
| | | Enter the number shown (1 to 9). | SMMA_LO_00942 |
| | | Identify the pictorial solution to a subtraction problem (minuends 2 to 9). | SMMA_LO_01422 |
| | | Order four numbers from least to greatest (1 to 9). | SMMA_LO_00950 |
| | | Count two sets of objects to find the total (sums 6 to 10). | SMMA_LO_00006 |
| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are. | SMMA_LO_02092 |

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| | | Add zero to a number (sums 1 to 9). | SMMA_LO_00035 |
| | | Identify a number that is greater than or less than a spoken number (1 to 9). | SMMA_LO_00946 |
| | | Identify the pictorial solution to a problem in context (minuends 4 to 9). | SMMA_LO_01423 |
| | | Make a group with one more object than a given group (six to nine objects). | SMMA_LO_00930 |
| | | Make a group with the same number of objects as a given group (6 to 9 objects). | SMMA_LO_00929 |
| | | Count objects not arranged in a row (6 to 9 objects). | SMMA_LO_00943 |
| | | Decompose numbers 2-10 into pairs in more than one way by using objects. | SMMA_LO_02096 |
| | | Model and apply joining stories to solve problems (sums 1 to 9). | SMMA_LO_01863 |
| | | Enter the number shown (5 to 9). | SMMA_LO_00002 |
| | | Identify the picture that represents a subtraction problem in context (minuends 2 to 10). | SMMA_LO_01542 |
| | | Identify the number of objects for a word name. (1 to 9 objects). | SMMA_LO_00964 |
| | | Find a missing number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00960 |
| | | Find the number that comes before a given number, counting by 1's (1 to 9). | SMMA_LO_00949 |
| | | Write an addition number sentence to represent a picture (sums 1 to 9). | SMMA_LO_00036 |
| | | Make a group with one fewer object than a given group (6 to 9 objects). | SMMA_LO_00931 |

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| | | Identify the expression that represents a picture (minuends 2 to 9). | SMMA_LO_01414 |
| | | Count the objects in two sets and add (sums 6 to 10). | SMMA_LO_00008 |
| | | Identify the number with the greatest value (1 to 9). | SMMA_LO_00947 |
| NS.A.4 | Read and write numerals and represent a number of objects from 0 to 20. | Enter the number of ones equal to number 1 to 9. | SMMA_LO_00973 |
| | | Enter the number shown (1 to 9). | SMMA_LO_00942 |
| | | Enter the number shown (1 to 5). | SMMA_LO_00932 |
| | | Enter the number shown (0 to 4). | SMMA_LO_00001 |
| | | Enter the number shown (5 to 9). | SMMA_LO_00002 |
| | | Match a digit to a set with that number of objects (1 to 5). | SMMA_LO_00934 |
| NS.B | Understand the relationship between numbers and quantities; connect counting to cardinality. | | |
| NS.B.1 | Say the number names when counting objects, in the standard order, pairing each object with one and only one number name and each number name with one and only one object. | Find the next number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00948 |
| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are when 1 more is added. | SMMA_LO_02093 |
| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are. | SMMA_LO_02092 |

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| | | Find the next number in a sequence, counting by 1's (1 to 5). | SMMA_LO_00939 |
| | | Find the next number in a sequence, counting by 1's (1 to 5). | SMMA_LO_00940 |
| | | Find the number that comes before a given number, counting by 1's (1 to 9). | SMMA_LO_00949 |
| NS.B.3 | Demonstrate that each successive number name refers to a quantity that is one larger than the previous number. | Find the next number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00948 |
| | | Find the next number in a sequence, counting by 1's (1 to 5). | SMMA_LO_00939 |
| | | Find the next number in a sequence, counting by 1's (1 to 5). | SMMA_LO_00940 |
| NS.B.4 | Recognize, without counting, the quantity of groups up to 5 objects arranged in common patterns. | Act out the solution to a subtraction problem in context (minuends 1 to 6). | SMMA_LO_01536 |
| | | Identify a group with fewer objects than a given group (1 to 5 objects). | SMMA_LO_00924 |
| | | Count two sets of objects to find the total (sums 2 to 4). | SMMA_LO_00003 |
| | | Solve a subtraction problem in context (minuends 2 to 5, pictorial models). | SMMA_LO_01411 |
| | | Count objects not arranged in a row (1 to 5 objects). | SMMA_LO_00935 |
| | | Make a group with one fewer object than a given group (1 to 5 objects). | SMMA_LO_00928 |
| | | Count objects in two sets and add (sums 1 to 5). | SMMA_LO_00007 |
| | | Count two sets of objects to find the total (sums 4 to 6). | SMMA_LO_00004 |

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| | | Count objects arranged in a row (1-5 objects). | SMMA_LO_00933 |
| | | Identify a number from a spoken number (1 to 5). | SMMA_LO_00937 |
| | | Identify a set with the same number of objects as a given set (1 to 5 objects). | SMMA_LO_00922 |
| | | Subtract using basic math facts displayed horizontally (minuends 0 to 5). | SMMA_LO_01415 |
| | | Enter the number shown (1 to 5). | SMMA_LO_00932 |
| | | Find the next number in a sequence, counting by 1's (1 to 5). | SMMA_LO_00939 |
| | | Match objects to show a one-to-one correspondence (2 to 5 objects). | SMMA_LO_00921 |
| | | Identify a group with more objects than a given group (1 to 5 objects). | SMMA_LO_00923 |
| | | Enter the number shown (0 to 4). | SMMA_LO_00001 |
| | | Add using basic math facts (sums 1 to 5). | SMMA_LO_00010 |
| | | Make a set with the same number of objects as a given set (1 to 5 objects). | SMMA_LO_00926 |
| | | Identify a picture that represents an addition problem (sums 2 to 6). | SMMA_LO_01228 |
| | | Add using basic math facts displayed horizontally (sums 2 to 5). | SMMA_LO_00011 |
| | | Subtract using basic math facts (minuends 0 to 5). | SMMA_LO_01416 |
| | | Find the next number in a sequence, counting by 1's (1 to 5). | SMMA_LO_00940 |
| | | Identify the group of objects that represent a number (1 to 5 objects). | SMMA_LO_00956 |

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| | | Match a digit to a set with that number of objects (1 to 5). | SMMA_LO_00934 |
| | | Make a group with one to five objects. | SMMA_LO_00938 |
| | | Make a group with one more object than a given group (one to five objects). | SMMA_LO_00927 |
| | | Count two sets of objects to find the total (sums 2 to 5). | SMMA_LO_00005 |
| | | Move objects to show a one-to-one correspondence (1 to 5 objects). | SMMA_LO_00925 |
| | | Solve a subtraction problem in context (minuends 2 to 5, pictorial models). | SMMA_LO_01412 |
| NS.B.5 | Demonstrate that a number can be used to represent "how many" are in a set. | Count objects by pairing each object with one number 1 to 10; determine how many objects there are. | SMMA_LO_02092 |
| NS.C | Compare numbers. | | |
| NS.C.1 | Compare two or more sets of objects and identify which set is equal to, more than or less than the other. | Identify a group with fewer objects than a given group (1 to 5 objects). | SMMA_LO_00924 |
| | | Identify a set with the same number of objects as a given set (1 to 5 objects). | SMMA_LO_00922 |
| | | Identify a number that is greater than or less than a spoken number (1 to 9). | SMMA_LO_00946 |
| | | Identify a group with more objects than a given group (1 to 5 objects). | SMMA_LO_00923 |
| NS.C.2 | Compare two numerals, between 1 and 10, and determine which is more than or less than the other. | Find the next number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00948 |

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| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are when 1 more is added. | SMMA_LO_02093 |
| | | Subtract using basic math facts (minuends 2 to 10). | SMMA_LO_01413 |
| | | Make a group with 6 to 9 objects. | SMMA_LO_00945 |
| | | Subtract using basic math facts displayed horizontally (minuends 6 to 9). | SMMA_LO_01417 |
| | | Enter the number of ones equal to number 1 to 9. | SMMA_LO_00973 |
| | | Add using basic math facts displayed horizontally (sums 6 to 10). | SMMA_LO_00013 |
| | | Find a number equal to 2 to 9 ones. | SMMA_LO_00972 |
| | | Identify a number from a spoken number (6 to 9). | SMMA_LO_00944 |
| | | Enter the number shown (1 to 9). | SMMA_LO_00942 |
| | | Identify the pictorial solution to a subtraction problem (minuends 2 to 9). | SMMA_LO_01422 |
| | | Order four numbers from least to greatest (1 to 9). | SMMA_LO_00950 |
| | | Count two sets of objects to find the total (sums 6 to 10). | SMMA_LO_00006 |
| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are. | SMMA_LO_02092 |
| | | Add zero to a number (sums 1 to 9). | SMMA_LO_00035 |
| | | Identify a number that is greater than or less than a spoken number (1 to 9). | SMMA_LO_00946 |
| | | Identify the pictorial solution to a problem in context (minuends 4 to 9). | SMMA_LO_01423 |

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| | | Make a group with one more object than a given group (six to nine objects). | SMMA_LO_00930 |
| | | Make a group with the same number of objects as a given group (6 to 9 objects). | SMMA_LO_00929 |
| | | Count objects not arranged in a row (6 to 9 objects). | SMMA_LO_00943 |
| | | Decompose numbers 2-10 into pairs in more than one way by using objects. | SMMA_LO_02096 |
| | | Model and apply joining stories to solve problems (sums 1 to 9). | SMMA_LO_01863 |
| | | Enter the number shown (5 to 9). | SMMA_LO_00002 |
| | | Identify the picture that represents a subtraction problem in context (minuends 2 to 10). | SMMA_LO_01542 |
| | | Identify the number of objects for a word name. (1 to 9 objects). | SMMA_LO_00964 |
| | | Find a missing number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00960 |
| | | Find the number that comes before a given number, counting by 1's (1 to 9). | SMMA_LO_00949 |
| | | Write an addition number sentence to represent a picture (sums 1 to 9). | SMMA_LO_00036 |
| | | Make a group with one fewer object than a given group (6 to 9 objects). | SMMA_LO_00931 |
| | | Identify the expression that represents a picture (minuends 2 to 9). | SMMA_LO_01414 |
| | | Count the objects in two sets and add (sums 6 to 10). | SMMA_LO_00008 |
| | | Identify the number with the greatest value (1 to 9). | SMMA_LO_00947 |

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|----------------------------------|--|--|---------------|
| NBT | Number Sense and Operations in Base Ten | | |
| NBT.A | Work with numbers 11 – 19 to gain foundations for place value. | | |
| NBT.A.1 | Compose and decompose numbers from 11 to 19 into sets of tens with additional ones. | Decompose numbers from 11 to 19 into ten ones and some further ones. | SMMA_LO_02094 |
| | | Compose numbers from 11 to 19 given ten ones and some further ones by using objects. | SMMA_LO_02095 |
| NF | Number Sense and Operations in Fractions | | |
| RA | Relationships and Algebraic Thinking | | |
| RA.A | Understand addition as putting together or adding to, and understand subtraction as taking apart or taking from. | | |
| RA.A.1 | Represent addition and subtraction within 10. | Find the next number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00948 |
| | | Count two sets of objects to find the total (sums 2 to 4). | SMMA_LO_00003 |
| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are when 1 more is added. | SMMA_LO_02093 |
| | | Subtract using basic math facts (minuends 2 to 10). | SMMA_LO_01413 |
| | | Make a group with 6 to 9 objects. | SMMA_LO_00945 |
| | | Subtract using basic math facts displayed horizontally (minuends 6 to 9). | SMMA_LO_01417 |
| | | Enter the number of ones equal to number 1 to 9. | SMMA_LO_00973 |
| | | Add using basic math facts displayed horizontally (sums 6 to 10). | SMMA_LO_00013 |

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| | | Find a number equal to 2 to 9 ones. | SMMA_LO_00972 |
| | | Identify a number from a spoken number (6 to 9). | SMMA_LO_00944 |
| | | Enter the number shown (1 to 9). | SMMA_LO_00942 |
| | | Count objects in two sets and add (sums 1 to 5). | SMMA_LO_00007 |
| | | Identify the pictorial solution to a subtraction problem (minuends 2 to 9). | SMMA_LO_01422 |
| | | Order four numbers from least to greatest (1 to 9). | SMMA_LO_00950 |
| | | Count two sets of objects to find the total (sums 4 to 6). | SMMA_LO_00004 |
| | | Count two sets of objects to find the total (sums 6 to 10). | SMMA_LO_00006 |
| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are. | SMMA_LO_02092 |
| | | Add zero to a number (sums 1 to 9). | SMMA_LO_00035 |
| | | Identify a number that is greater than or less than a spoken number (1 to 9). | SMMA_LO_00946 |
| | | Identify the pictorial solution to a problem in context (minuends 4 to 9). | SMMA_LO_01423 |
| | | Make a group with one more object than a given group (six to nine objects). | SMMA_LO_00930 |
| | | Make a group with the same number of objects as a given group (6 to 9 objects). | SMMA_LO_00929 |
| | | Count objects not arranged in a row (6 to 9 objects). | SMMA_LO_00943 |
| | | Identify a picture that represents an addition problem (sums 2 to 6). | SMMA_LO_01228 |
| | | Decompose numbers 2-10 into pairs in more than one way by using objects. | SMMA_LO_02096 |

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| | | Model and apply joining stories to solve problems (sums 1 to 9). | SMMA_LO_01863 |
| | | Enter the number shown (5 to 9). | SMMA_LO_00002 |
| | | Identify the picture that represents a subtraction problem in context (minuends 2 to 10). | SMMA_LO_01542 |
| | | Identify the number of objects for a word name. (1 to 9 objects). | SMMA_LO_00964 |
| | | Find a missing number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00960 |
| | | Find the number that comes before a given number, counting by 1's (1 to 9). | SMMA_LO_00949 |
| | | Write an addition number sentence to represent a picture (sums 1 to 9). | SMMA_LO_00036 |
| | | Make a group with one fewer object than a given group (6 to 9 objects). | SMMA_LO_00931 |
| | | Identify the expression that represents a picture (minuends 2 to 9). | SMMA_LO_01414 |
| | | Count the objects in two sets and add (sums 6 to 10). | SMMA_LO_00008 |
| | | Count two sets of objects to find the total (sums 2 to 5). | SMMA_LO_00005 |
| | | Identify the number with the greatest value (1 to 9). | SMMA_LO_00947 |
| RA.A.2 | Demonstrate fluency for addition and subtraction within 5. | Act out the solution to a subtraction problem in context (minuends 1 to 6). | SMMA_LO_01536 |

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| | | Identify a group with fewer objects than a given group (1 to 5 objects). | SMMA_LO_00924 |
| | | Count two sets of objects to find the total (sums 2 to 4). | SMMA_LO_00003 |
| | | Solve a subtraction problem in context (minuends 2 to 5, pictorial models). | SMMA_LO_01411 |
| | | Count objects not arranged in a row (1 to 5 objects). | SMMA_LO_00935 |
| | | Make a group with one fewer object than a given group (1 to 5 objects). | SMMA_LO_00928 |
| | | Count objects in two sets and add (sums 1 to 5). | SMMA_LO_00007 |
| | | Count two sets of objects to find the total (sums 4 to 6). | SMMA_LO_00004 |
| | | Count objects arranged in a row (1-5 objects). | SMMA_LO_00933 |
| | | Identify a number from a spoken number (1 to 5). | SMMA_LO_00937 |
| | | Identify a set with the same number of objects as a given set (1 to 5 objects). | SMMA_LO_00922 |
| | | Subtract using basic math facts displayed horizontally (minuends 0 to 5). | SMMA_LO_01415 |
| | | Enter the number shown (1 to 5). | SMMA_LO_00932 |
| | | Find the next number in a sequence, counting by 1's (1 to 5). | SMMA_LO_00939 |
| | | Match objects to show a one-to-one correspondence (2 to 5 objects). | SMMA_LO_00921 |
| | | Identify a group with more objects than a given group (1 to 5 objects). | SMMA_LO_00923 |
| | | Enter the number shown (0 to 4). | SMMA_LO_00001 |
| | | Add using basic math facts (sums 1 to 5). | SMMA_LO_00010 |

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| | | Make a set with the same number of objects as a given set (1 to 5 objects). | SMMA_LO_00926 |
| | | Identify a picture that represents an addition problem (sums 2 to 6). | SMMA_LO_01228 |
| | | Add using basic math facts displayed horizontally (sums 2 to 5). | SMMA_LO_00011 |
| | | Subtract using basic math facts (minuends 0 to 5). | SMMA_LO_01416 |
| | | Find the next number in a sequence, counting by 1's (1 to 5). | SMMA_LO_00940 |
| | | Identify the group of objects that represent a number (1 to 5 objects). | SMMA_LO_00956 |
| | | Match a digit to a set with that number of objects (1 to 5). | SMMA_LO_00934 |
| | | Make a group with one to five objects. | SMMA_LO_00938 |
| | | Make a group with one more object than a given group (one to five objects). | SMMA_LO_00927 |
| | | Count two sets of objects to find the total (sums 2 to 5). | SMMA_LO_00005 |
| | | Move objects to show a one-to-one correspondence (1 to 5 objects). | SMMA_LO_00925 |
| | | Solve a subtraction problem in context (minuends 2 to 5, pictorial models). | SMMA_LO_01412 |
| RA.A.3 | Decompose numbers less than or equal to 10 in more than one way. | Find the next number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00948 |

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| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are when 1 more is added. | SMMA_LO_02093 |
| | | Subtract using basic math facts (minuends 2 to 10). | SMMA_LO_01413 |
| | | Make a group with 6 to 9 objects. | SMMA_LO_00945 |
| | | Subtract using basic math facts displayed horizontally (minuends 6 to 9). | SMMA_LO_01417 |
| | | Enter the number of ones equal to number 1 to 9. | SMMA_LO_00973 |
| | | Add using basic math facts displayed horizontally (sums 6 to 10). | SMMA_LO_00013 |
| | | Find a number equal to 2 to 9 ones. | SMMA_LO_00972 |
| | | Identify a number from a spoken number (6 to 9). | SMMA_LO_00944 |
| | | Enter the number shown (1 to 9). | SMMA_LO_00942 |
| | | Identify the pictorial solution to a subtraction problem (minuends 2 to 9). | SMMA_LO_01422 |
| | | Order four numbers from least to greatest (1 to 9). | SMMA_LO_00950 |
| | | Count two sets of objects to find the total (sums 6 to 10). | SMMA_LO_00006 |
| | | Count objects by pairing each object with one number 1 to 10; determine how many objects there are. | SMMA_LO_02092 |
| | | Add zero to a number (sums 1 to 9). | SMMA_LO_00035 |
| | | Identify a number that is greater than or less than a spoken number (1 to 9). | SMMA_LO_00946 |
| | | Identify the pictorial solution to a problem in context (minuends 4 to 9). | SMMA_LO_01423 |

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| | | Make a group with one more object than a given group (six to nine objects). | SMMA_LO_00930 |
| | | Make a group with the same number of objects as a given group (6 to 9 objects). | SMMA_LO_00929 |
| | | Count objects not arranged in a row (6 to 9 objects). | SMMA_LO_00943 |
| | | Decompose numbers 2-10 into pairs in more than one way by using objects. | SMMA_LO_02096 |
| | | Model and apply joining stories to solve problems (sums 1 to 9). | SMMA_LO_01863 |
| | | Enter the number shown (5 to 9). | SMMA_LO_00002 |
| | | Identify the picture that represents a subtraction problem in context (minuends 2 to 10). | SMMA_LO_01542 |
| | | Identify the number of objects for a word name. (1 to 9 objects). | SMMA_LO_00964 |
| | | Find a missing number in a sequence, counting by 1's (1 to 9). | SMMA_LO_00960 |
| | | Find the number that comes before a given number, counting by 1's (1 to 9). | SMMA_LO_00949 |
| | | Write an addition number sentence to represent a picture (sums 1 to 9). | SMMA_LO_00036 |
| | | Make a group with one fewer object than a given group (6 to 9 objects). | SMMA_LO_00931 |
| | | Identify the expression that represents a picture (minuends 2 to 9). | SMMA_LO_01414 |
| | | Count the objects in two sets and add (sums 6 to 10). | SMMA_LO_00008 |
| | | Identify the number with the greatest value (1 to 9). | SMMA_LO_00947 |

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| RA.A.4 | Make 10 for any number from 1 to 9. | Model the number that makes 10 when added to a given number from 1 to 9; then identify the number. | SMMA_LO_02097 |
| GM | Geometry and Measurement | | |
| GM.B | Work with time and money. | | |
| GM.B.1 | Demonstrate an understanding of concepts of time and devices that measure time. | Identify the tool for a particular use (thermometer, scale, clock). | SMMA_LO_00761 |
| GM.C | Analyze squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders and spheres. | | |
| GM.C.1 | Identify shapes and describe objects in the environment using names of shapes, recognizing the name stays the same regardless of orientation or size. | Identify a geometric figure (circle, triangle, rectangle, or square). | SMMA_LO_00531 |
| | | Identify the smaller or bigger rectangle. | SMMA_LO_00747 |
| | | Identify circles or squares by name. | SMMA_LO_00529 |
| | | Identify triangles or rectangles by name. | SMMA_LO_00530 |
| GM.C.3 | Identify and describe the attribute of shapes, and use the attributes to sort a collection of shapes | Match simple geometric figures that have the same size, shape, and color. | SMMA_LO_00514 |
| | | Match geometric figures that have the same size and shape (simple figures). | SMMA_LO_00516 |
| DS | Data and Statistics | | |
| DS.A | Classify objects and count the number of objects in each category. | | |

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| DS.A.2 | Compare category counts using appropriate language. | Identify a number that is greater than or less than a spoken number (1 to 9). | SMMA_LO_00946 |

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