Essential Standard: Understands and represents the place values of three digit numbers

Essential Knowledge Outcome: Students will understand and explain what numbers mean, how they may be represented, and what relationships exist among them to accurately and efficiently perform computations.

- 2.NBT 1. Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases:
  - a. 100 can be thought of as a bundle of ten tens—called a "hundred."
  - b. The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).
- 2.NBT.3. Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.

| First Trimester: Benchmarks |  |
|-----------------------------|--|
| Warning (1)                 | Little or no understanding of the value of digits in     |
|                             | a three digit number.                                    |
| Needs Improvement (2)       | Requires teacher prompting and support to                |
|                             | understand that the three digits of a three digit number |
|                             | represent hundreds, tens, and ones. Reads and writes     |
|                             | numbers to 1000 using base ten numerals, number          |
|                             | names and expanded form.                                 |
| Proficient (3)              | Independently understands that the three digits of a     |
|                             | three digit number represent hundreds, tens, and ones.   |
|                             | Reads and writes numbers to 1000 using base ten          |
|                             | numerals, number names and expanded form.                |
| Advanced (4)                |  |

| Second Trimester: Benchmarks – Not Assessed during this trimester |  |
|---|--|
| Warning (1)   |  |
| Needs Improvement (2)   |  |
| Proficient (3)  |  |
| Advanced (4)  |  |

| Third Trimester: Benchmarks – Not assessed during this trimester |  |
|--|--|
| Warning (1)  |  |
| Needs Improvement  |  |
| (2)  |  |
| Proficient (3)   |  |
| Advanced (4)   |  |

Essential Standard: Counts within 1,000. Skip counts by 5s, 10s, and 100s within 1,000.

**STANDARDS ADDRESSED:** 2. NBT 2. Count within 1000; skipcount by 5s, 10s, and 100s

| First Trimester: Benchmarks |  |
|-----------------------------|--|
| Warning (1)                 | Little or no understanding of counting within 1,000 and skip counting by 5s, 10s, and 100s within 1,000.       |
| Needs<br>Improvement<br>(2) | Requires teacher prompting and support to count within 1,000 and skip count by 5s, 10s, and 100s within 1,000. |
| Proficient (3)              | Independently counts within 1,000 and skip counts by 5s, 10s, and 100s within 1,000                            |
| Advanced (4)                |  |

| Second Trimester: Benchmarks – Not Assessed during this trimester |  |
|---|--|
| Warning (1)   |  |
| Needs   |  |
| Improvement   |  |
| (2)   |  |
| Proficient (3)  |  |
| Advanced (4)  |  |

| Third Trimester: Benchmarks – Not Assessed during this trimester |  |
|--|--|
| Warning (1)  |  |
| Needs  |  |
| Improvement  |  |
| (2)  |  |
| Proficient (3)   |  |
|  |  |
| Advanced (4)   |  |

| Number and Operations in Base Ten                |
|--|
| Essential Standard: Compares three digit numbers |
|  |

**STANDARDS ADDRESSED: 2.NBT4** Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.

| First Trimester: Benchmarks |  |
|-----------------------------|--|
| Warning (1)                 | Little or no understanding of how to read, write |
|                             | or compare three digit numbers.                  |
| Needs Improvement (2)       | Requires teacher support to compare two three-   |
|                             | digit numbers based on hundreds, tens, ones      |
|                             | using <,=,>.                                     |
| Proficient (3)              | Independently compares two three-digit           |
|                             | numbers based on hundreds, tens, ones using      |
|                             | <,=,>.   |
| Advanced (4)                |  |

| Second Trimester: Benchmarks – Not assessed during this trimester |  |
|---|--|
| Warning (1)   |  |
| Needs Improvement (2)   |  |
| Proficient (3)  |  |
| Advanced (4)  |  |

Third Trimester: Benchmarks – Not assessed during this trimester

| Warning (1)           |  |
|-----------------------|--|
| Needs Improvement (2) |  |
| Proficient (3)        |  |
| Advanced (4)          |  |

| Number and Operations in Base Ten                          |
|--|
|  |
| Essential Standard: Fluently adds and subtracts within 100 |

### STANDARDS ADDRESSED:

2.NBT 5.Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction

| First Trimester: E | Benchmarks – Not assessed during this trimester |
|--------------------|---|
| Warning (1)        |   |
| Needs              |   |
| Improvement        |   |
| (2)                |   |
| Proficient (3)     |   |
| Advanced (4)       |   |

| Second Trimester: Benchmarks – Not assessed during this trimester |  |  |
|---|--|--|
| Warning (1)   |  |  |
| Needs   |  |  |
| Improvement   |  |  |
| (2)   |  |  |
| Proficient (3)  |  |  |
| Advanced (4)  |  |  |

| Third Trimester: Benchmarks |   |  |
|-----------------------------|---|--|
| Warning (1)                 | Little or no ability to fluently add and/or subtract  |  |
|                             | within 100  |  |
| Needs                       | Requires teacher prompting and support to fluently  |  |
| Improvement                 | add and subtract within 100 using place value   |  |
| (2)                         | strategies and properties of operations.  |  |
| Proficient (3)              | Fluently adds and subtracts within 100 using place value strategies and properties of operations. |  |
| Advanced (4)                |   |  |

Essential Standard: Explains why addition and subtraction strategies work using place value

### STANDARDS ADDRESSED:

2 NBT.9. Explain why addition and subtraction strategies work, using place value and the properties of operations.<sup>1</sup>

| First Trimester: Benchmarks |   |  |
|-----------------------------|---|--|
|                             | Little or no ability to explain (using words, pictures or |  |
| Warning (1)                 | objects) how their addition and subtraction strategy      |  |
|                             | works.  |  |
| Needs                       | Requires teacher prompting and support to explain         |  |
| Improvement                 | (using words, pictures or objects) how their addition     |  |
| (2)                         | and subtraction strategy works.                           |  |
| Proficient (3)              | Independently able to explain (using words, pictures or   |  |
|                             | objects) how their addition and subtraction strategy      |  |
|                             | works.  |  |
|                             | Applies standard and creates well-developed explicit      |  |
| Advanced (4)                | written explanations supported by drawings and/or         |  |
|                             | objects.  |  |

| Second Trimester: Benchmarks – Not assessed during this trimester |  |
|---|--|
| Warning (1)   |  |
| Needs   |  |
| Improvement   |  |
| (2)   |  |

<sup>&</sup>lt;sup>1</sup> Explanations may be supported by drawings or objects.

| Proficient (3) |  |
|----------------|--|
| Advanced (4)   |  |

| Third Trimester: Benchmarks – Not assessed during this trimester |  |  |
|--|--|--|
| Warning (1)  |  |  |
| Needs  |  |  |
| Improvement  |  |  |
| (2)  |  |  |
| Proficient (3)   |  |  |
| ,  |  |  |

Essential Standard: Add within 1,000

### STANDARDS ADDRESSED:

2.NBT 6. Add up to four two-digit numbers using strategies based on place value and properties of operations.

2.NBT.7. Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.

| First Trimester: Benchmarks – Not assessed during this trimester |  |  |
|--|--|--|
| Warning (1)  | Little or no understanding of how to add within    |  |
|  | 1,000.   |  |
| Noods Improvement  | Requires teacher prompting and support to use      |  |
| Needs Improvement (2)  | strategies to efficiently and accurately add up to |  |
|  | 4 two-digit numbers and 2 three-digit numbers.     |  |
|  | Independently uses strategies (based on place      |  |
|  | value, properties of operations, relationship      |  |
|  | between addition and subtraction) to efficiently   |  |
| Proficient (3)   | and accurately add up to 4 two-digit numbers       |  |
|  | and 2 three-digit numbers. Understands that        |  |
|  | sometimes it is necessary to compose or            |  |
|  | decompose tens or hundreds.                        |  |
| Advanced (4)   | Applies the standard when solving word             |  |
|  | problems and is able to develop an explicit        |  |

| explanation of the strategy used. |
|-----------------------------------|

### Second Trimester: Benchmarks- Not assessed during this trimester

| Third Trimester: Benchmarks – |  |  |
|-------------------------------|--|--|
| Warning (1)                   | Little or no understanding of how to add within    |  |
|                               | 1,000 .  |  |
| Noods Improvement             | Requires teacher prompting and support to use      |  |
| Needs Improvement (2)         | strategies to efficiently and accurately add up to |  |
|                               | 4 two-digit numbers and 2 three-digit numbers.     |  |
|                               | Independently uses strategies (based on place      |  |
|                               | value, properties of operations, relationship      |  |
|                               | between addition and subtraction) to efficiently   |  |
| Proficient (3)                | and accurately add up to 4 two-digit numbers       |  |
|                               | and 2 three-digit numbers. Understands that        |  |
|                               | sometimes it is necessary to compose or            |  |
|                               | decompose tens or hundreds.                        |  |
|                               | Applies the standard when solving word             |  |
| Advanced (4)                  | problems and is able to develop an explicit        |  |
|                               | explanation of the strategy used.                  |  |

### Essential Standard: Subtract within 1,000

### STANDARDS ADDRESSED:

2.NBT 7.Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.

| First Trimester: Benchmarks – Not assessed during this trimester |   |  |
|--|---|--|
| Warning (1)  | Little or no understanding of how to add within 1,000.  |  |
| Needs Improvement (2)  | Requires teacher prompting and support to use strategies to efficiently and accurately add up to 4 two-digit numbers and 2 three-digit numbers.   |  |
| Proficient (3)   | Independently uses strategies (based on place value, properties of operations, relationship between addition and subtraction) to efficiently and accurately add up to 4 two-digit numbers and 2 three-digit numbers. Understands that sometimes it is necessary to compose or decompose tens or hundreds. |  |
| Advanced (4)   | Applies the standard when solving word problems and is able to develop an explicit explanation of the strategy used.  |  |

## Second Trimester: Benchmarks – Not assessed during this trimester

| Third Trimester: Benchmarks |  |  |
|-----------------------------|--|--|
| Warning (1)                 | Little or no understanding of how to subtract within       |  |
|                             | 1,000.   |  |
| Needs                       | Requires teacher prompting and support to use              |  |
| Improvement                 | strategies to efficiently and accurately subtract 2 three- |  |
| (2)                         | digit numbers.   |  |
|                             | Independently uses strategies (based on place value,       |  |
| Proficient (3)              | properties of operations, relationship between addition    |  |
| r foncient (3)              | and subtraction) to efficiently and accurately subtract 2  |  |
|                             | three-digit numbers. Understands that sometimes it is      |  |
|                             | necessary to compose or decompose tens or hundreds.        |  |
| Advanced (4)                | Applies the standard when solving word problems            |  |
|                             | and is able to develop an explicit explanation of the      |  |
|                             | strategy used.   |  |

Essential Standard: Mentally add or subtract 10 or 100 to a given number

### STANDARDS ADDRESSED:

**2.NBT** 8.Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.

### First Trimester: Benchmarks- Not Assessed

## SecondTrimester: Benchmarks-Not Assessed

| Third Trimester: Benchmarks |  |
|-----------------------------|--|
| Warning (1)                 | Little or no understanding of using mental math  |
|                             | strategies to add or subtract 10 or 100 from any |
|                             | given number 100-900                             |
| Needs Improvement (2)       | Requires teacher prompting and support to use    |
|                             | mental math strategies to add and subtract 10 or |
|                             | 100 from any given number 100-900                |
| Proficient (3)              | Independently uses mental math strategies to     |
|                             | add and subtract 10 or 100 from any given        |
|                             | number 100-900                                   |
| Advanced (4)                | Applies mental math skills when solving          |
|                             | complex word problems.                           |

Essential Standard: Solves one and two step word problems using addition within 100.

### STANDARDS ADDRESSED:

**2 OA1.** Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem

| First Trimester: Benchmarks- |   |
|------------------------------|---|
| Warning (1)                  | Little or no understanding of solving one step word |
|                              | problems within 100 and solving for unknowns.       |
| Needs                        | Requires teacher prompting and support to solve one |
| Improvement                  | step word problems within 100 and cannot solve      |
| (2)                          | problems with unknowns.                             |
| Proficient (3)               | Independently uses addition within 100 to solve one |
|                              | step word problems. Solves problems with unknowns   |
|                              | in all positions.                                   |
| Advanced (4)                 | Creates one step word problems and write equations  |
|                              | with unknowns in all positions.                     |

| Second Trimester: Benchmarks |   |
|------------------------------|---|
| Warning (1)                  | Little or no understanding of solving two step word |
|                              | problems within 100 and solving for unknowns.       |

| Needs          | Requires teacher prompting and support to solve two |
|----------------|---|
| Improvement    | step word problems within 100 and cannot solve      |
| (2)            | problems with unknowns.                             |
|                | Independently uses addition within 100 to solve two |
| Proficient (3) | step word problems. Solves problems with unknowns   |
|                | in all positions.                                   |
| Advanced (4)   | Creates two step word problems and write equations  |
|                | with unknowns in all positions.                     |

Third Trimester: Benchmarks- Not Assessed

Essential Standard: Solves multistep word problems using subtraction within 100.

**STANDARDS ADDRESSED:** 2 OA1. Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem

| First Trimester: Benchmarks |  |
|-----------------------------|--|
| Warning (1)                 | Little or no understanding of solving one step word    |
|                             | problems within 100 and solving for unknowns.          |
| Needs                       | Requires teacher prompting and support to solve one    |
| Improvement                 | step word problems within 100 using subtraction and    |
| (2)                         | cannot solve problems with unknowns.                   |
| Proficient (3)              | Independently uses subtraction within 100 to solve one |
|                             | step word problems. Solves problems with unknowns      |
|                             | in all positions.                                      |
| Advanced (4)                | Creates one step word problems and write equations     |
|                             | with unknowns in all positions.                        |

| Second Trimester: Benchmarks |   |
|------------------------------|---|
| Warning (1)                  | Little or no understanding of solving two step word problems within 100 and solving for unknowns.       |
| Needs<br>Improvement         | Requires teacher prompting and support to solve two step word problems within 100 using subtraction and |

| (2)            | cannot solve problems with unknowns.   |
|----------------|--|
| Proficient (3) | Independently uses subtraction within 100 to solve two step word problems. Solves problems with unknowns in all positions. |
| Advanced (4)   | Creates two step word problems and write equations with unknowns in all positions.   |

Third Trimester: Benchmarks- Not Assessed

| Advanced (4) |  |  |  |
|--------------|--|--|--|
|--------------|--|--|--|

Essential Standard: Fluently ADDs facts within 20

### STANDARDS ADDRESSED:

**2 OA** 2. Fluently add and subtract within 20 using mental strategies.<sup>2</sup> By end of grade 2, know from memory all sums of two one-digit numbers.

**MA.2.a**. By the end of grade 2, know from memory related subtraction facts of sums of two one-digit numbers.

First Trimester: Benchmarks-Not Assessed

Second Trimester: Benchmarks-Not Assessed

| Third Trimester: Benchmarks |  |
|-----------------------------|--|
| Warning (1)                 | Little or no demonstration of addition fact fluency. |
| Needs                       | Requires support (e.g. number line, touch math,      |
| Improvement                 | fingers) to accurately demonstrate addition fact     |
| (2)                         | fluency.   |
| Proficient (3)              | Consistently uses mental strategies to demonstrate   |
|                             | fluency of addition facts (sum of two one digit      |
|                             | numbers) and related subtraction facts.              |

<sup>&</sup>lt;sup>2</sup> See standard 1.OA.6 for a list of mental strategies.

Revised June 2014

| Advanced (4) |  |
|--------------|--|
|--------------|--|

Essential Standard: Fluently SUBTRACTS facts within 20

### STANDARDS ADDRESSED:

**20A.** 2. Fluently add and subtract within 20 using mental strategies.<sup>3</sup> By end of grade 2, know from memory all sums of two one-digit numbers.

**MA.2.a.** By the end of grade 2, know from memory related subtraction facts of sums of two one-digit numbers.

First Trimester: Benchmarks-Not Assessed

Second Trimester: Benchmarks-Not Assessed

| Third Trimester: Benchmarks |   |
|-----------------------------|---|
| Warning (1)                 | Little or no demonstration of subtraction fact fluency.   |
| Needs                       | Requires support (e.g. number line, touch math,   |
| Improvement                 | fingers) to accurately demonstrate subtraction fact   |
| (2)                         | fluency.  |
| Proficient (3)              | Consistently uses mental strategies to demonstrate fluency of subtraction facts and related addition facts. |

Revised June 2014

<sup>&</sup>lt;sup>3</sup> See standard 1.OA.6 for a list of mental strategies.

Essential Standard: Indentifies and represents odd and even numbers

### STANDARDS ADDRESSED:

**2 OA. 3**. Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.

First Trimester: Benchmarks – Not assessed during this trimester

| Second Trimester: Benchmarks |   |
|------------------------------|---|
| Warning (1)                  | Little or no understanding of odd or even number and representing an even number as the sum of two equal addends.   |
| Needs<br>Improvement<br>(2)  | Requires teacher prompting and support in determining whether a group of objects (up to 20) has an odd or even number of members. Requires support writing an equation representing an even number as the sum of two equal addends. |
| Proficient (3)               | Consistently determines whether a group of objects (up to 20) has an odd or even number of members. Writes an equation to represent an even number as the sum of two equal addends.   |
| Advanced (4)                 |   |

Third Trimester: Benchmarks – Not assessed during this trimester

OPERATIONS AND ALGEBRAIC THINKING

# Essential Standard: Uses addition to represent rectangular arrays

## STANDARDS ADDRESSED:

**2 OA.** 4. Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.

| First Trimester: B | enchmarks –Not assessed during this trimester |
|--------------------|---|
| Warning (1)        |   |
| Needs              |   |
| Improvement        |   |
| (2)                |   |
| Proficient (3)     |   |
| Advanced (4)       |   |

| Second Trimester: Benchmarks |  |
|------------------------------|--|
|                              | Little or no understanding of using repeated addition    |
| Warning (1)                  | to write an equation to find the numbers of objects in a |
|                              | rectangular array.                                       |
| Needs                        | Requires teacher prompting and support to use            |
| Improvement                  | repeated addition represent objects arranged in          |
| (2)                          | rectangular arrays.                                      |
| Proficient (3)               | Consistently uses repeated addition to write an          |
|                              | equation to find the sum of objects arranged in          |
|                              | rectangular arrays (up to 5 rows and 5 columns).         |

|              | Creates arrays and writes two equations (by rows and   |
|--------------|--|
|              | by columns) to represent the rectangular array.        |
| Advanced (4) | Students can rotate the array 90 degrees and write two |
|              | more equations. Students can explain how the arrays    |
|              | are different but still the same.                      |

| Third Trimester: | Benchmarks – Not assessed during this trimester |
|------------------|---|
| Warning (1)      |   |
| Needs            |   |
| Improvement      |   |
| (2)              |   |
| Proficient (3)   |   |
| Advanced (4)     |   |

### Essential Standard: Measure and estimate lengths in standard units

Essential Knowledge Outcome: Students understand how to collect, represent, analyze, and interpret data gathered using a variety of tools.

### STANDARDS ADDRESSED:

- **2MD**1. Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.
- 2.MD.2. Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.
- 2.MD.3 Estimate lengths using units of inches, feet, centimeters, and meters.
- 2.MD.4. Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.

### First Trimester: Benchmarks -Not assessed during this trimester

| Second Trimester: Benchmarks – |   |
|--------------------------------|---|
| Warning (1)                    | Little or no understanding of how to accurately   |
| Warning (1)                    | measure and use appropriate tools and terms.      |
| Needs<br>Improvement           | Requires teacher prompting and support to make    |
|                                | accurate measurements using appropriate tools and |
|                                | terms; and estimate lengths, and compare the      |
| (2)                            | difference in length between two objects.         |

| Proficient (3) | Independently selects and uses appropriate tools for measuring. Measures objects twice and can see the relationship between the size of the units and measurement. Estimates lengths using inches, feet, centimeters, and meters. Determines the difference in the length of two objects using correct measurement notation. |
|----------------|--|
| Advanced (4)   | Applies the standard and extends this knowledge to present the solution in a more simplified form (1 foot instead of 12 inches). Clearly communicates the problem solving approach and reasoning through words and pictures using accurate complete representations.   |

Third Trimester: Benchmarks-Not assessed

Essential Standard: Use addition and subtraction within 100 to solve word problems involving lengths

**STANDARDS ADDRESSED: 2MD5**. Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.

First Trimester: Benchmarks -Not assessed during this trimester

| Second Trimester: Benchmarks – Not assessed during this trimester |  |  |
|---|--|--|
|   | Little or no understanding of using drawings or                              |  |
| Warning (1)   | equations to solve measurement word problems                                 |  |
|   | involving length.  |  |
| Needs   | Requires teacher prompting and support to solve                              |  |
| Improvement   | measurement word problems. Has trouble relating                              |  |
| (2)   | drawings to equations.   |  |
|   | Independently uses drawings and equations to                                 |  |
|   | solve measurement word problems. The student                                 |  |
| Proficient (3)  | refers to his/her drawings of the problem and                                |  |
|   | correctly calculates the solution. They will use                             |  |
|   | appropriate math language and correctly label                                |  |
|   | his/her drawings.  |  |
|   | Applies the standard and demonstrates full                                   |  |
|   | understanding of the problem through clear visual                            |  |
| Advanced (4)  | representations and efficient calculations. The                              |  |
|   | equations show more advanced knowledge of how                                |  |
|   | to use fractional notation $5\frac{1}{2}$ " + $5\frac{1}{2}$ " = $11$ ", and |  |

how to accurately represent calculations.

Third Trimester: Benchmarks-Not Assessed

Essential Standard: Represents whole numbers, sums and differences on a number line diagram

**STANDARDS ADDRESSED:** 2.MD.6: Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2, ..., and represent whole-number sums and differences within 100 on a number line diagram.

First Trimester: Benchmarks – Not assessed during this trimester

| SecondTrimester | Trimester: Benchmarks –                             |  |
|-----------------|---|--|
| Marring (1)     | Unable to represent whole numbers, sums and         |  |
| Warning (1)     | differences within 100 on a number line diagram.    |  |
| Needs           | Requires teacher support and prompting to represent |  |
| Improvement     | whole numbers, sums and differences within 100 on a |  |
| (2)             | number line diagram.                                |  |
|                 | Independently represents whole numbers as lengths   |  |
| Proficient (2)  | from 0 with equally spaced points, and represents   |  |
| Proficient (3)  | sums and differences within 100 on a number line    |  |
|                 | diagram.  |  |
| Advanced (4)    |   |  |

Third Trimester: Benchmarks – Not assessed during this trimester

## MEASUREMENT AND DATA

Essential Standard: Tells time to the nearest 5 minutes and applies time

## concepts (e.g. hours in a day)

### STANDARDS ADDRESSED:

- **2.MD** 7.Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.
- MA.7.a. Know the relationships of time, including seconds in a minute, minutes in an hour, hours in a day, days in a week, a month, and a year; and weeks in a month and a year.

First Trimester: Benchmarks –Not assessed during this trimester

SecondTrimester: Benchmarks –Not assessed during this trimester

| Third Trimester: Benchmarks – |   |  |
|-------------------------------|---|--|
| Marning (1)                   | Unable to accurately tell and/or write time in 5 minute |  |
| Warning (1)                   | increments using analog and digital clocks.             |  |
| Needs                         | Requires teacher prompting and support to tell and      |  |
| Improvement                   | write to time in 5 minute increments using analog and   |  |
| (2)                           | digital clocks.   |  |
|                               | Independently tells time in 5 minute increments using   |  |
| Draficiont (2)                | both analog and digital clocks using a.m. and p.m.      |  |
| Proficient (3)                | Knows relationships of time, including                  |  |
|                               | seconds/minute, hours/day, days/week, months/year,      |  |
|                               | weeks/month, weeks/year.                                |  |
|                               | Demonstrates knowledge of the time concepts at a        |  |
| Advanced (4)                  | complex level through problem solving and well          |  |
|                               | developed, explicit explanations.                       |  |

Essential Standard: Solves problems using money (dollars, quarters, dimes, pennies)

STANDARDS ADDRESSED: 2.MD 8. Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: If you have 2 dimes and 3 pennies, how many cents do you have?

First Trimester: Benchmarks –Not assessed during this trimester

|   | Second Trimester: Benchmarks – Not assessed during this trimester |
|---|---|
| ſ |   |

| Third Trimester: | Benchmarks –   |  |
|------------------|--|--|
|                  | Little or no understanding of solving word problems        |  |
| Warning (1)      | involving dollar bills, quarters, dimes, nickels and       |  |
|                  | pennies using \$ and ¢ symbols appropriately.              |  |
| Needs            | Requires teacher prompting and support to solve word       |  |
| Improvement      | problems involving dollar bills, quarters, dimes, nickels  |  |
| (2)              | and pennies using \$ and ¢ symbols appropriately.          |  |
| Proficient (3)   | Independently solves word problems involving dollar        |  |
| 1 Toricierit (5) | bills, quarters, dimes, nickels and pennies using \$ and ¢ |  |
|                  | symbols appropriately.                                     |  |
|                  | Creates word problems involving dollar bills, quarters,    |  |
| Advanced (4)     | dimes, nickels and pennies using \$ and ¢ symbols          |  |
|                  | appropriately.   |  |

| MEASUREMENT AND DATA |         |          |  |    |
|----------------------|---------|----------|--|----|
|                      | NATEACT |          |  |    |
|                      | MEASI   | IKENIENI | $A \times I \setminus I \setminus A \setminus A$ | ١. |

Essential Standard: Generate measurement data and show the data by making a line plot

### STANDARDS ADDRESSED:

**2.MD** 9.Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.

First Trimester: Benchmarks –Not assessed during this trimester

| Second Trimester            | ster: Benchmarks –   |  |
|-----------------------------|--|--|
| Warning (1)                 | Unable to generate measurement data and show the data by making a line plot.                                 |  |
| Needs<br>Improvement<br>(2) | Requires teacher support and prompting to generate measurement data and show the data by making a line plot. |  |
| Proficient (3)              | Independently generates measurement data and shows the data by making a line plot.                           |  |
| Advanced (4)                |  |  |

Third Trimester: Benchmarks – Not assessed during this trimester

### MEASUREMENT AND DATA

Essential Standard: Represent data by drawing picture/bar graphs

(with single unit scale) with up to four categories and solves problems based on interpreting bar graphs

### STANDARDS ADDRESSED:

**2.MD 10**.Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems,<sup>4</sup> using information presented in a bar graph.

First Trimester: Benchmarks – Not assessed during this trimester

| Second Trimester: Benchmarks – |   |  |
|--------------------------------|---|--|
|                                | Little or no understanding of representing data in  |  |
| Warning (1)                    | pictographs and bar graphs and unable to interpret  |  |
|                                | data from bar graphs.                               |  |
| Needs                          | Requires teacher prompting and support to represent |  |
| Improvement                    | data in pictographs and bar graphs and solves       |  |
| (2)                            | problems interpreting data from bar graphs.         |  |
| Proficient (3)                 | Independently represents and solves problems        |  |
|                                | interpreting data from bar and picture graphs.      |  |
| Advanced (4)                   |   |  |

Third Trimester: Benchmarks – Not assessed during this trimester

**GEOMETRY** 

Essential Standard: Uses attributes of shapes to identify and draw

<sup>&</sup>lt;sup>4</sup> See Glossary, Table 1.

# triangles, quadrilaterals, pentagons, hexagons and cubes

Essential Knowledge Outcome: Students understand, explain, and apply the properties and relationships among and between geometric figures to appreciate the importance of geometry in our world.

### STANDARDS ADDRESSED:

**2.G1** Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces.<sup>5</sup> Identify triangles, quadrilaterals, pentagons, hexagons, and cubes

First Trimester: Benchmarks –Not assessed

Second Trimester: Benchmarks - Not Assessed

| Third Trimester: Benchmarks – |   |
|-------------------------------|---|
| Warning (1)                   | Little or no understanding of the attributes of shapes. |

| Needs<br>Improvement<br>(2) | Requires teacher prompting and support to identify draw and describes the attributes (e.g. sides, angles, number of equal faces) of triangles, quadrilaterals, pentagons, hexagons and cubes. |
|-----------------------------|---|
| Proficient (3)              | Independently identifies draws and describes the attributes (e.g. sides, angles, number of equal faces) of triangles, quadrilaterals, pentagons, hexagons and cubes.                          |
| Advanced (4)                | Identifies and describes attributes (sides, angles, family, parallel sides) of the pentagon, hexagon and cube and makes comparisons among the shapes.   |

<sup>&</sup>lt;sup>5</sup> Sizes are compared directly or visually, not compared by measuring.

### **GEOMETRY**

Essential Standard: Partition rectangles into rows and columns of same size squares and find the total.

### STANDARDS ADDRESSED:

**2G.**2.Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.

## First Trimester: Benchmarks -Not assessed during this trimester

| Second Trimester: Benchmarks – |   |  |
|--------------------------------|---|--|
| Warning (1)                    | Little or no understanding of the concept of equal    |  |
|                                | shares and partitioning rectangles.                   |  |
| Needs                          | Requires teacher prompting and support to partition   |  |
| Improvement                    | rectangles into rows and columns of same size squares |  |
| (2)                            | and count to find the total number of them.           |  |
| Proficient (3)                 | Independently partitions rectangles into rows and     |  |
|                                | columns of same size squares and counts to find the   |  |
|                                | total number of them.                                 |  |
| Advanced (4)                   |   |  |

Third Trimester: Benchmarks – Not assessed during this trimester

### **GEOMETRY**

Essential Standard: Partition shapes (circles, rectangles) into equal shares.

### STANDARDS ADDRESSED:

2.G.3. Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words *halves*, *thirds*, *half of*, *a third of*, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape

First Trimester: Benchmarks –Not assessed during this trimester

Second Trimester: Benchmarks – Not assessed during this trimester

| Third Trimester: Benchmarks – |   |  |
|-------------------------------|---|--|
| Warning (1)                   | Little or no understanding of the concept of equal shares and partitioning shapes into halves, thirds, fourths.                 |  |
| Needs<br>Improvement<br>(2)   | Requires teacher prompting and support to partition shapes into equal shares of halves, thirds, fourths.                        |  |
| Proficient (3)                | Independently partitions shapes into halves, thirds, fourths and describes the whole as two halves, three thirds, four fourths. |  |

Advanced (4)