Title - First Grade Math Student Learning Objective
Content Area - Mathematics
Grade Level - First Grade
Students - 26
Interval of Instruction - Year
Main
Criteria Element $\quad$ Description interval of instruction?


|  |  | Extend the counting sequence. <br> 1.NBT. 1 Count to 120 , starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral. <br> Understand place value. <br> 1.NBT. 2 Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases: <br> - 10 can be thought of as a bundle of ten ones - called a "ten." <br> - The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. <br> - The numbers $10,20,30,40,50,60,70,80,90$ refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones). <br> 1.NBT. 3 Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols >, $=$, and <. <br> Use place value understanding and properties of operations to add and subtract. <br> 1.NBT. 4 Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10 , 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 and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten. <br> 1.NBT. 5 Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used. <br> 1.NBT. 6 Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 1090 (positive or zero differences), 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 and explain the reasoning used. |
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Essential Question: Where are my students now (at the beginning of instruction) with respect to the objective?

| Baseline Data / <br> Information |
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#### Abstract

An assessment based on Kindergarten mathematics standards was administered during the first week of school. Based on that data, we were able to determine that $80 \%$ of students are entering first grade with the necessary prerequisite mathematical content and skills, specifically in the area of counting from 0-20. 20\% of students are entering first grade lacking some prerequisite content and skills, specifically in knowing number names and the count sequence as well as adding and subtracting within 5 .


Essential Question: Based on what I know about my students, where do I expect them to be by the end of the interval of instruction and how will they demonstrate their knowledge/skills?


1. $100 \%$ of students will reach proficiency ( $75 \%$ or higher) on the final administration of the district mathematics assessment (which is administered in October, February, and June).
a. The $80 \%$ of students who entered with the prerequisite skills will score $85 \%$ proficiency or higher.
b. The $20 \%$ of students who entered without the prerequisite skills will score $75 \%$ proficiency or higher.
2. $100 \%$ of students will complete a portfolio that demonstrates proficiency in the critical areas of Operations and Algebraic Thinking as well as Number and Operations in Base Ten (at least 4 pieces of work per area). Portfolio can include tests, quizzes, and in-class assignments (no homework or worksheets intended for practice). At least 1 of the 4 pieces of work for each area must be a common task (used in all 3 first grade classrooms).
a. For the 21 of student who entered with the prerequisite skills work must demonstrate $85 \%$ accuracy or better to be included in the portfolio. Each student must also include a Challenge Task demonstrating their ability to stretch their learning by applying knowledge to more complicated problems.

|  |  | b. For the 5 of students who entered without the prerequisite skills work must demonstrate $75 \%$ accuracy or better to be included in the portfolio. |
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|  | Rationale for Target(s) | Ultimately our first grade team feels it is essential that all students end the year prepared for achievement as $2^{\text {nd }}$ graders. While a gap already exists in this cohort of students we believe through individualized learning plans and strategic supports, we can significantly close this gap and ensure that all students meet a base proficiency in these two content areas. The targets set for the 21 students entering on grade level were set based upon the progress that we have observed in our students in past years on the district common assessment and the portfolio assessment. We believe these students can be supported to reach the objectives at high levels. The targets for the 5 students entering below grade level reflect adequate progress, based upon the performance of similar students in past years. Though we will work closely with these students to address this gap, we feel it is appropriate to set a modified target to account for their differing baseline. |
|  | Evidence <br> Source(s) | 1. The district mathematics assessment was collaboratively created and aligned to CCSS as well as the Response to Intervention guidelines for core instruction. It will be administered three times per year. It is administered one-on-one by the classroom teacher, our math coach, or the district testing coordinator. It is scored by whoever administers the test, including the classroom teacher, our math coach, or the district testing coordinator. <br> 2. The portfolio, its requirements, and rubric were created by the first-grade team with our math coach, and it aligns with other rubrics used throughout our elementary school. Students will be told in advance if certain tasks are eligible for portfolio submission and they will work with teachers to determine which tasks to submit for their portfolio. The portfolio will be built over the course of the year. Most work will be scored by me, the classroom teacher, though common tasks will be scored collaboratively by all three first grade teachers. |

