7.NS.A.1.a - 4 Point Proficiency Scale

7.NSA.1: Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers.
a. Add and subtract rational numbers.

4 (Extending) In addition to meeting the standard, student work exhibits in-depth inferences and applications that exceed standard expectations.	**In addition to meeting the standard, the student demonstrates** ➢ Justify the steps taken to add or subtract rational numbers ➢ Analyze for errors as necessary ➢ Determine the reasonableness of the solution in a real-world situation ➢ Prove the reasonableness of operation rules. (i.e. why a negative times a negative is a positive) ➢ Differentiate between a rational and irrational number
3 (Meeting) Student work exhibits no major errors or omissions.	**The Student will be able to:** ➢ Add and subtract positive and negative fractions. ➢ Add and subtract positive and negative decimals. ➢ Add and subtract integers. ➢ The student will be able to solve problems that involve adding and subtracting rational numbers.
2 (Progressing) Student work exhibits no major errors or omissions regarding the simpler details and processes, however, the student exhibits major errors or omissions regarding the more complex ideas and processes.	**The Student demonstrates that they have the ability to:** ➢ Represent addition and subtraction of rational numbers on a number line or using other manipulatives ➢ Identify that the sum of a number and its opposite equals zero. ➢ Recognize that whole numbers, integers, fractions and decimals can all be classified as rational numbers ➢ Add and subtract whole numbers. ➢ Add and subtract integers. ➢ When given an integer, state the integer that is opposite of the given number. **The Student will be able to recognize the meaning of:** ➢ Rational numbers, horizontal number line diagram, vertical number line diagram, opposite quantities, sum, difference, additive inverse distance absolute value, properties of operations.
1 (Emergent) With support, the student demonstrates a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.	**The Student's performance reflects insufficient progress towards foundational skills and knowledge.**
NE (No Evidence) There is no evidence to indicate the student's understanding of the skill.	**There is no evidence, at this time, to indicate that the student has met or is progressing toward meeting the standard.**

Standards Based Vocabulary

Absolute value, additive inverses, opposites, rational numbers, number line, inverse operation,