Third Grade Math Rubric (Operations & Algebraic Thinking)

Name: _____ Age: _____ Grade Months _____

Representing and solving problems involving multiplication and division

3	2	1
Can interpret products of whole numbers - exp. interpret 6x5 as the total number of objects in 6 groups of 5 objects each	With prompting, can interpret products of whole numbers - exp. interpret 6x5 as the total number of objects in 6 groups of 5 objects each	Cannot interpret products of whole numbers, but knows multiplication facts within 10 by rote
Can interpret whole-number quotients of whole numbers – exp. interpret 72÷8 as the number of objects in each share when 72 objects are partitioned equally into 8 shares	With prompting, can interpret whole-number quotients of whole numbers – exp. interpret 72÷8 as the number of objects in each share when 72 objects are partitioned equally into 8 shares	Cannot interpret whole-number quotients of whole numbers, but knows division facts within 20 by rote
Uses multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement. quantities – using drawings and equations with a symbol for the unknown number to represent the problem	With prompting, can multiply and divide within 100 to solve word problems in situations involving equal groups, arrays, and measurement. quantities – using drawings and equations with a symbol for the unknown number to represent the problem	With prompting, can multiply and divide equations within 100 (without demonstration)
Can determine the unknown number in a multiplication or division equation relating three whole numbers – exp. determine the unknown number that makes the equation true in each of the equations of 6x =42, 5=x÷2, 9x9=_	With prompting, can determine the unknown number in a multiplication or division equation relating three whole numbers – exp. determine the unknown number that makes the equation true in each of the equations of 6x =42, 5=x÷2, 9x9=_	can determine the unknown number in a multiplication or division equation relating three whole numbers when given the use of a multiplication/division chart