Grade Level:4th Grade
Course Name:Math

Proficiency Scale

Oxford City Schools

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GRADE LEVEL: 4th Grade COURSE NAME: Math
MEASUREMENT TOPIC: Multiply a Whole Number by a Fraction

4	In addition to Score 3.0, make in-depth inferences and applications. ☐ Analyze a word problem involving multiplication of a fraction. Determine the errors and show how to solve the problem correctly.

3	☐ Solve word problems involving multiplying a whole number times a fraction using:
	  ☐ visual fraction models and
	  ☐ equations to represent the problem
	☐ Apply and extend previous understanding of multiplication to multiply a whole number times any fraction less than one.
	☐ Model and explain how a non-unit fraction can be represented by a whole number times the unit fraction.

2	☐ Make equal groups of fractions to find how many are in all.
1	☐ With help, a partial understanding of some of the simpler details and processes, and some of the more complex ideas and processes.

Key Vocabulary: unit fraction, **numerator, denominator,** equation, product, **multiple**, whole number, **mixed number**, compose, decompose, visual model,non-unit fraction, **recompose**, fraction greater than 1

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