



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 5 COURSE NAME: Math
MEASUREMENT TOPIC: Multiplying Fractions

4

In addition to Score 3, the student makes in-depth inferences and applications.

3

- Create a story context and interpret the product of a fraction times a fraction and a fraction times a whole number.
- Explain why multiplying a given number by a fraction less than 1 results in a product smaller than the given number and why multiplying a given fraction greater than 1 results in a product larger than the given number.
- **Model and solve real-world problems (including finding areas of rectangles) involving multiplication of fractions and mixed numbers by using visual fraction models, drawings, or equations to represent the problems.**

2

- Interpret multiplication of fractions as scaling or resizing.
- Compare the size of a product to the size of one factor on the basis of the size of the other factor without multiplying.
- Use a visual fractional model (area model, set model, or linear model).

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: