



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 3rd grade COURSE NAME: Math
MEASUREMENT TOPIC: Develop an Understanding of Fractions

4	In addition to Score 3, the student makes in-depth inferences and applications. The student can: Plot fractions on a numberline and justify each fraction placement.
3	The student can: <ul style="list-style-type: none">• Locate or represent fractions (a/b) on a number line diagram by marking off lengths of size ($1/b$) from zero.• Locate or represent unit fractions ($1/b$) on a number line diagram by defining the interval from 0 to 1 as the whole partitioning it into b equal parts as specified by the denominator.• Explain that a numerator greater than one indicates the number of unit pieces represented by the fraction.• Demonstrate that a unit fraction represents one part of a whole that has been equally partitioned. (using an area model OR length model)
2	The student can: <ul style="list-style-type: none">• Partition number lines into equal parts.• Identify that the numerator represents the number of equal pieces in the whole that are being counted or considered• Identify that denominators represent the number of equal size parts that make a whole

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: whole, partition, unit fraction, fraction, numerator, denominator, sixths, eighths, area model, length model, part, halves, thirds, fourths, number line, interval