



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 09 COURSE NAME: Geometry with Data
MEASUREMENT TOPIC: Use Trigonometric Ratios to Solve Applied Problems

4	In addition to Score 3, the student makes in-depth inferences and applications.
3	The student can: <ul style="list-style-type: none">• Discover and apply relationships in similar right triangles such as:<ul style="list-style-type: none">• Special right triangles (45-45-90 & 30-60-90 triangles)• Use trigonometric ratios to determine missing side length and angle measurements in order to solve real-world problems.
2	The student can: <ul style="list-style-type: none">• Use inverse operations to rationalize fractions.• Use similarity to explore and define basic trigonometric ratios, including sine ratio, cosine ratio, and tangent ratio.
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: