

Grade 3 OCCT Mathematics Performance Level Descriptors (PLDs)

Advanced: Students demonstrate superior performance on challenging subject matter. In addition to demonstrating a broad and in-depth understanding and application of all skills at the Proficient level, students scoring at the Advanced level typically: use a wide range of strategies to solve problems; regularly use various types of reasoning effectively; consistently connect one area or idea of mathematics to another; and communicate mathematical ideas through a variety of representations.

Proficient: Students demonstrate mastery over appropriate grade-level subject matter, and students are ready for the next grade level. Students scoring at the Proficient level typically will:

- Recognize and predict patterns.
- Understand and model place value (to 4 digits).
- Compare and order whole numbers and fractions (halves, thirds, fourths, eighths, tenths, and twelfths).
- Estimate and find the sum or difference (with and without regrouping) of 3- and 4-digit numbers using a variety of strategies.
- Demonstrate fluency with basic multiplication concepts (including fact families).
- Compare attributes of two- and three-dimensional shapes.
- Analyze the effects of combining and subdividing two- and three-dimensional figures.
- Apply geometric properties and relationships (including coordinate locations).
- Apply measurement concepts (including perimeter, length, weight, time, and temperature).
- Determine the correct amount of change when a purchase is made with five dollars or less.
- Analyze and interpret data in tables, graphs, and charts.
- Determine the likelihood of events and be able to predict outcomes.

Limited Knowledge: Students demonstrate partial mastery of the essential knowledge and skills appropriate to their grade level. Students scoring at the Limited Knowledge level are inconsistent in applying the general knowledge and mathematical process skills at the Proficient level necessary to solve problems effectively and reason mathematically.

Unsatisfactory: Students have not performed at least at the Limited Knowledge level. Students scoring at the Unsatisfactory level should be given comprehensive mathematics instruction.