

Grade 5 OMAAP Mathematics Performance Level Descriptors (PLDs)

Advanced: Students consistently demonstrate an understanding of the knowledge and skills expected of students at this grade. In addition to demonstrating an understanding and application of all modified skills at the Satisfactory level, students scoring at the Advanced level typically use a range of strategies to solve problems, regularly use various types of reasoning, connect one area or idea of mathematics to another, and communicate mathematical ideas.

Satisfactory: Students demonstrate a general understanding of the mathematics knowledge skills and processes expected of students at this grade. Students scoring at the Satisfactory level typically will:

- Apply basic properties of arithmetic and simulate and describes algebraic problem-solving techniques.
- Apply the concept of place value of whole numbers.
- Compare and convert fractions and decimals.
- Identify and compare integers.
- Estimate, add, or subtract decimal numbers to solve problems.
- Estimate, add, or subtract fractions to solve problems.
- Estimate and find the quotient to solve problems.
- Identify, describe, and compare the basic characteristics of figures.
- Classify angles.
- Compare, estimate, and determine the measurement of angles.
- Find the perimeter and area of rectangles.
- Convert basic measurements of volume, weight, and distance.
- Solve a variety of problems involving money.
- Compare and translate data displays and justify the selection of the type of table or graph.
- Determine the probability of events and express probabilities as fractions.
- Use the fundamental counting principle to determine the number of possible combinations.
- Determine the range (spread), mode (most often), and median (middle) of a set of data.

Limited Knowledge: Students demonstrate partial understanding of the mathematics knowledge, processes, and skills expected of students at this grade. Students scoring at the Limited knowledge level have difficulty and are inconsistent in applying the general knowledge and mathematical process skills at the Satisfactory level necessary to solve problems effectively and reason mathematically.

Unsatisfactory: Students do not demonstrate at least a Limited knowledge of the skills expected of students at this grade. Students scoring at the Unsatisfactory level should be given additional comprehensive mathematics instruction.