DesCartes: A Continuum of Learning®

Mathematics

Goal: Geometry

RIT Score Range: 171 - 180
Statements Last Updated: Mar 10, 2014

Skills and Concepts to Enhance (73% Probability*) 161 - 170	Skills and Concepts to Develop (50% Probability*) 171 - 180	Skills and Concepts to Introduce (27% Probability*) 181 - 190
Geometric Measurement and Relationships	Geometric Measurement and Relationships	Geometric Measurement and Relationships
• Compares objects (shorter, longer) • Estimates and measures length of an object to the nearest inch using a picture of a ruler • Measures length with customary measures to the inch mark • Measures length with metric measures to the centimeter mark • Identifies and names a triangle • Identifies and names a square • Identifies and names a rectangle • Identifies sides and vertices of polygons • Identifies and names a cone • Compares open and closed figures • Sorts solid figures and objects according to attributes • Identifies position of shapes (e.g., inside, outside, between)	• Estimates and measures length of an object to the nearest centimeter using a picture of a ruler • Measures length with customary measures to the inch mark • Determines the area of irregular shapes by counting square units • Identifies and names a triangle • Identifies and names a square • Identifies and names a cube • Recognizes geometric shapes in real-world objects	• Selects and uses the appropriate type and size of unit in customary system (length) • Measures length with customary measures to the half-inch mark • Uses a variety of non-standard units to measure the same length • Determines more capacity or less capacity • Determines the perimeter of a figure where all sides are labeled • Determines the area of irregular shapes by counting square units • Classifies polygons by sides and vertices • Identifies and names a cube • Identifies and names a sphere
Congruence, Similarity, Right Triangles, & Trig	Congruence, Similarity, Right Triangles, & Trig	Congruence, Similarity, Right Triangles, & Trig
• Identifies figures that are the same size and shape	• Identifies figures that are similar	• Identifies congruent figures • Identifies figures that are similar • Identifies plane figures with line symmetry • Identifies transformations of plane figures (rotations/turns)
New Vocabulary: corner, flat	*New Vocabulary:* geometric figure, similar	*New Vocabulary:* estimation, millimeter, symmetry
New Signs and Symbols: None	*New Signs and Symbols:* None	*New Signs and Symbols:* None

Explanatory Notes
* At the range mid-point, this is the probability students would correctly answer items measuring these concepts and skills. Both data from test items and review by NWEA curriculum specialists are used to place Learning Continuum statements into appropriate RIT ranges. Blank cells indicate data are limited or unavailable for this range or document version.