

Math ISAT: Concepts and Principles of Geometry

Skills: Determine Perimeter and Area, and Apply Formulas

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| Students: | RIT Above 270: <ul style="list-style-type: none"> • <i>No Skills Listed</i> |
| Students: | RIT 261-270: <ul style="list-style-type: none"> • Solves real-world problems involving surface area • Determines surface area of a 3-D construction, given the 2-D representation |
| Students: | RIT 251-260: <ul style="list-style-type: none"> • Determines the surface area of a pyramid • Solves real-world problems involving surface area |
| Students: | RIT 241-250: <ul style="list-style-type: none"> • Determines the surface area of rectangular solids • Determines the surface area of a cylinder |
| Students: | RIT 231-240: <ul style="list-style-type: none"> • Identifies the formula for perimeter with a variable • Determines area, length, or width, given the formula with variables • Determines the area of a triangle, given the formula • Determines the area of a parallelogram or trapezoid, with the formula • Uses the formula for trapezoid or parallelogram to determine area, height, or one of the sides • Identifies the formula for area of circle • Identifies the formula for circumference of a circle |
| Students: | RIT 221-230: <ul style="list-style-type: none"> • Finds the perimeter using the formula with a variable • Uses models to develop the relationship between the total number of square units contained in a rectangle and the length and width of the figure • Determines the area of a parallelogram or trapezoid, with the formula • Uses the formula for trapezoid or parallelogram to determine area, height, or one of the sides |
| Students: | RIT 211-220: <ul style="list-style-type: none"> • Determines the perimeter of a figure using nonstandard units • Determines the process for calculating perimeter • Finds the perimeter of a polygon using a formula • Determines the area of shapes with partial square units • Counts squares to determine surface area • Estimates and finds volume of a figure using cubic units |
| Students: | RIT 201-210: <ul style="list-style-type: none"> • Determines the perimeter of a figure where some sides are labeled • Determines the area of shapes with partial square units • Estimates the area of shapes using square units • Estimates and finds volume of a figure using cubic units |
| Students: | RIT 191-200: <ul style="list-style-type: none"> • Determines the perimeter of a figure where all sides are labeled • Determines the perimeter of a figure where some sides are labeled • Estimates the area of shapes using square units |
| Students: | RIT 181-190: <ul style="list-style-type: none"> • Determines the perimeter of a figure where all sides are labeled • Determines the area of a figure by counting square units |
| Students: | RIT 171-180: <ul style="list-style-type: none"> • Determines the area of a figure by counting square units |
| Students: | RIT 161-170: <ul style="list-style-type: none"> • <i>No Skills Listed</i> |
| Students: | RIT Below 161: <ul style="list-style-type: none"> • <i>No Skills Listed</i> |