

# Math 6+: Measurement

## Perimeter, Area, Surface Area, and Volume

### Surface Area

Students	Learning Continuum Statements:
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<b>Students:</b>	<b>RIT 231-240:</b>
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- Determines the surface area of rectangular prisms or cubes, formula not provided
- Determines the surface area of spheres, given the formula

<b>Students:</b>	<b>RIT 241-250:</b>
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- Determines the surface area of a prism given a net
- Determines the surface area of cones, given the formula
- Determines the surface area of cylinders, given the formula
- Determines the surface area of rectangular prisms or cubes, formula not provided
- Uses the net of a prism to solve surface area problems within a real-world or mathematical context

<b>Students:</b>	<b>RIT 251-260:</b>
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- Describes the effect on surface area when dimensions of a rectangular prism are changed
- Determines the side length of a cube given the surface area
- Determines the surface area of pyramids, formula not provided
- Determines the surface area of pyramids, given the formula
- Determines the surface area of rectangular prisms or cubes, formula not provided
- Determines the surface area of triangular prisms, formula not provided
- Determines the volume of a cube given the surface area
- Solves problems involving surface areas of prisms within a real-world or mathematical context

<b>Students:</b>	<b>RIT 261-270:</b>
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- Describes the effect on surface area when dimensions of a rectangular prism are changed
- Determines the surface area of cylinders, formula not provided
- Determines the surface area of pyramids, formula not provided
- Determines the surface area of rectangular prisms or cubes, formula not provided
- Solves problems involving surface areas of prisms within a real-world or mathematical context

<b>Students:</b>	<b>RIT 271-280:</b>
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- Describes the effect on surface area when dimensions of a cone, cylinder, or sphere are changed
- Determines the surface area of pyramids, formula not provided