Problem Solving with Units

Students	Learning Continuum	Statements:
Staaciits	Learning Continuation	Jeace III CII CO

Students:

RIT 191-200:

 Solves problems involving perimeters of rectangles within a real-world or mathematical context

Students:

RIT 201-210:

- Solves problems involving areas of rectangles within a real-world or mathematical context
- Solves problems involving perimeters of rectangles within a real-world or mathematical context

Students:

RIT 211-220:

- Solves problems involving areas of rectangles within a real-world or mathematical context
- Solves problems involving decimals and perimeters of non-rectangular polygons within a real-world or mathematical context
- Solves problems involving decimals and perimeters of rectangles within a real-world or mathematical context
- Solves problems involving perimeters of rectangles within a real-world or mathematical context
- Solves problems involving rectangular prisms composed of unit cubes

Students:

RIT 221-230:

- Solves problems involving areas of figures composed of polygons within a real-world or mathematical context
- Solves problems involving areas of rectangles within a real-world or mathematical context
- Solves problems involving both area and perimeter of rectangles within a real-world or mathematical context
- Solves problems involving decimals and perimeters of rectangles within a real-world or mathematical context
- Solves problems involving perimeters of rectangles within a real-world or mathematical context
- Solves problems involving volumes of rectangular prisms within a real-world or mathematical context

Students:

RIT 231-240:

- Solves problems involving areas of figures composed of polygons within a real-world or mathematical context
- Solves problems involving areas of rectangles within a real-world or mathematical context
- Solves problems involving both area and perimeter of rectangles within a real-world or mathematical context

- Solves problems involving decimals and perimeters of rectangles within a real-world or mathematical context
- Solves problems involving perimeters of rectangles within a real-world or mathematical context
- Solves problems involving volumes of rectangular prisms within a real-world or mathematical context

Students: RIT 241-250:

- Solves area word problems involving tiling rectangles using unit squares with decimal side lengths
- Solves area word problems involving whole numbers and tiling rectangles with non-unit squares
- Solves problems involving areas of figures composed of polygons within a real-world or mathematical context
- Solves problems involving areas of polygons and circles, quarter circles, semicircles, or threequarter circles within a real-world or mathematical context
- Solves problems involving both area and perimeter of rectangles within a real-world or mathematical context
- Solves problems involving perimeters of non-rectangular polygons within a real-world or mathematical context
- Solves problems involving perimeters of rectangles within a real-world or mathematical context
- Solves problems involving volumes of rectangular prisms within a real-world or mathematical context
- Uses the net of a prism to solve surface area problems within a real-world or mathematical context

Students: RIT 251-260:

- Solves area word problems involving whole numbers and tiling rectangles with non-unit squares
- Solves problems involving areas of figures composed of polygons within a real-world or mathematical context
- Solves problems involving areas of polygons and circles, quarter circles, semicircles, or threequarter circles within a real-world or mathematical context
- Solves problems involving surface areas of prisms within a real-world or mathematical context
- Solves problems involving volumes of rectangular prisms within a real-world or mathematical context

Students: RIT 261-270:

- Solves problems involving areas of figures composed of polygons within a real-world or mathematical context
- Solves problems involving perimeters of quarter circles, semicircles, or three-quarter circles within a real-world or mathematical context
- Solves problems involving surface areas of prisms within a real-world or mathematical context
- Solves problems involving volumes of 3-D figures composed of cones, cylinders, and spheres within a real-world or mathematical context

- Solves problems involving volumes of cylinders within a real-world or mathematical context
- Solves problems involving volumes of rectangular prisms within a real-world or mathematical context

Students:

RIT 271-280:

- Solves problems involving volumes of cones within a real-world or mathematical context
- Solves problems involving volumes of cylinders within a real-world or mathematical context

Students:

RIT 281-290:

Solves problems involving areas of circles within a real-world or mathematical context