Math 2-5: Measurement and Data: Geometric Measurement and Problem Solving

Area

Students	Learning Continuum Statements:
Students:	**RIT 161-170:** • Compares areas of shapes • Determines the area of figures composed of whole unit squares
Students:	**RIT 171-180:** • Compares areas of shapes • Determines the area of figures composed of whole unit squares
Students:	**RIT 181-190:** • Compares areas of shapes • Determines the area of figures composed of whole unit squares
Students:	**RIT 191-200:** • Determines the area of figures composed of whole unit squares • Determines the area of rectangles with whole number sides, given the formula • Estimates the area of figures using square units
Students:	**RIT 201-210:** • Determines the area of figures composed of whole and partial unit squares • Determines the area of rectangles with whole number sides, given the formula • Determines the area of rectangles with whole-number sides, formula not provided • Recognizes situations which describe area • Solves problems involving areas of rectangles within a real-world or mathematical context
Students:	• **RIT 211-220:** • Determines the area of figures composed of whole and partial unit squares • Determines the area of parallelograms, formula not provided • Determines the area of rectangles with whole number sides, given the formula • Determines the area of rectangles with whole-number sides, formula not provided • Recognizes situations which describe area • Solves problems involving areas of rectangles within a real-world or mathematical context
Students:	**RIT 221-230:** • Describes the effect on area when dimensions of a rectangle are changed • Determines side lengths given the area of rectangles • Determines the area of parallelograms, formula not provided • Determines the area of parallelograms, given the formula • Determines the area of rectangles with whole number sides, given the formula • Determines the area of rectangles with whole-number sides, formula not provided • Determines the area of triangles, given the formula • 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

Students:	**RIT 231-240:** • Describes the effect on area when dimensions of a rectangle are changed • Determines the area of parallelograms, formula not provided • Determines the area of rectangles given the perimeter • Determines the area of rectangles with whole-number sides, formula not provided • Determines the area of trapezoids, given the formula • Determines the area of triangles, given the formula • Determines the perimeter of rectangles given the area • Estimates the area of rectangles with whole-number sides, formula not provided • 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
Students:	**RIT 241-250:** • Describes the effect on area when dimensions of a rectangle are changed • Determines the area of parallelograms, formula not provided • Determines the area of rectangles given the perimeter • Determines the area of triangles, given the formula • Determines the perimeter of rectangles given the area • Solves area word problems involving whole numbers and tiling rectangles with non-unit squares • Solves problems involving both area and perimeter of rectangles within a real-world or mathematical context
Students:	**RIT 251-260:** • Describes the effect on area when dimensions of a rectangle are changed • Determines the area of parallelograms, formula not provided • Determines the perimeter of rectangles given the area • Solves area word problems involving whole numbers and tiling rectangles with non-unit squares