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

Problem Solving with Units

Students	Learning Continuum Statements:
Students:	**RIT 161-170:** • Solves one-step length word problems involving addition or subtraction
Students:	**RIT 171-180:** • Solves elapsed time word problems involving either minutes within one hour, or hours and/or minutes within A.M. or P.M. • Solves one-step length word problems involving addition or subtraction
Students:	**RIT 181-190:** • Solves elapsed time word problems involving either minutes crossing over an hour, or hours and/or minutes crossing over A.M. or P.M. • Solves elapsed time word problems involving either minutes within one hour, or hours and/or minutes within A.M. or P.M. • Solves multi-step money word problems involving whole numbers within 100 • Solves one-step length word problems involving addition or subtraction • Solves one-step money word problems involving whole number addition or subtraction • Solves one-step money word problems involving whole number multiplication or division • Solves word problems involving amount spent or change received, whole numbers, and coin names or pictures
Students:	**RIT 191-200:** • Solves elapsed time word problems involving either minutes crossing over an hour, or hours and/or minutes crossing over A.M. or P.M. • Solves elapsed time word problems involving either minutes within one hour, or hours and/or minutes within A.M. or P.M. • Solves multi-step money word problems involving decimals and coins and/or bills given as names • Solves multi-step money word problems involving whole numbers and coins and/or bills given as names • Solves multi-step money word problems involving whole numbers within 100 • Solves one-step length word problems involving addition or subtraction • Solves one-step money word problems involving whole number addition or subtraction • Solves one-step money word problems involving whole number multiplication or division • Solves one-step weight/mass word problems involving whole number multiplication and division • Solves problems involving perimeters of rectangles within a real-world or mathematical context • Solves word problems involving amount spent or change received, whole numbers, and coin names or pictures
Students:	**RIT 201-210:** • Solves elapsed time word problems involving either minutes crossing over an hour, or hours and/or minutes crossing over A.M. or P.M. • Solves elapsed time word problems involving either minutes within one hour, or hours and/or minutes within A.M. or P.M. • Solves multi-step money word problems involving decimals and coins and/or bills given as names • Solves multi-step money word problems involving whole numbers greater than 100

- Solves multi-step money word problems involving whole numbers within 100
- Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
- Solves one-step money word problems involving whole number addition or subtraction
- Solves one-step time word problems involving addition or subtraction
- Solves one-step time word problems involving multiplication or division
- Solves one-step weight/mass word problems involving whole number addition and subtraction
- 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
- Solves word problems involving amount spent or change received, whole numbers, and coin names or pictures

Students:	RIT 211-220:

- Solves elapsed time word problems involving either minutes crossing over an hour, or hours and/or minutes crossing over A.M. or P.M.
- Solves multi-step capacity word problems involving whole numbers and conversion of customary units
- Solves multi-step length word problems involving decimals or fractions and conversion of customary units
- Solves multi-step length word problems involving whole numbers
- Solves multi-step money word problems involving decimals and coins and/or bills given as names
- Solves multi-step money word problems involving whole numbers greater than 100
- Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
- Solves one-step capacity word problems involving whole number multiplication or division
- 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
- Solves problems involving rectangular prisms composed of unit cubes

Students:	RIT 221-230:

- Solves elapsed time word problems involving either minutes crossing over an hour, or hours and/or minutes crossing over A.M. or P.M.
- Solves multi-step length word problems involving decimals or fractions and conversion of customary units
- Solves multi-step length word problems involving whole numbers and conversion of customary units
- Solves multi-step money word problems involving whole numbers greater than 100
- Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
- 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 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 elapsed time word problems involving either minutes crossing over an hour, or hours and/or minutes crossing over A.M. or P.M.
	• Solves multi-step capacity word problems involving decimals or fractions and conversion of metric units
	• Solves multi-step length word problems involving decimals or fractions and conversion of customary units
	• Solves multi-step length word problems involving whole numbers and conversion of customary units
	• Solves multi-step weight word problems involving whole numbers and conversion of customary units
	• 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 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 whole numbers and tiling rectangles with non-unit squares
	• Solves multi-step capacity word problems involving decimals or fractions and conversion of metric units
	• Solves multi-step length word problems involving decimals or fractions and conversion of customary units
	• Solves multi-step length word problems involving whole numbers and conversion of customary units
	• Solves multi-step mass word problems involving whole numbers and conversion of metric units
	• 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
Students:	RIT 251-260:
	• Solves area word problems involving whole numbers and tiling rectangles with non-unit squares
	• Solves problems involving volumes of rectangular prisms within a real-world or mathematical context