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

Conversion of Units

Students	Learning Continuum Statements:
Students:	**RIT 171-180:** • Completes simple conversions of units of time
Students:	**RIT 181-190:** • Completes simple conversions of units of time
Students:	**RIT 191-200:** • Completes simple conversions of customary units of capacity • Completes simple conversions of customary units of length • Completes simple conversions of customary units of weight • Completes simple conversions of units of time
Students:	**RIT 201-210:** • Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes simple conversions of customary units of capacity • Completes simple conversions of customary units of length • Completes simple conversions of customary units of weight • Completes simple conversions of units of time • Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
Students:	**RIT 211-220:** • Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units • Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes complex conversions of more than two units of time • Completes conversions of metric units of mass • Completes simple conversions of customary units of capacity • Completes simple conversions of customary units of length • Completes simple conversions of customary units of weight • Completes simple conversions of units of time • 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 time word problems involving conversion across seconds, minutes, hours, etc.
Students:	**RIT 221-230:** • Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units • Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes complex conversions of customary units of weight involving fractions, decimals, or more than two units

- Completes complex conversions of more than two units of time
- Completes conversions of metric units of capacity
- Completes conversions of metric units of mass
- Completes simple conversions of customary units of capacity
- Completes simple conversions of customary units of length
- Completes simple conversions of customary units of weight
- 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 time word problems involving conversion across seconds, minutes, hours, etc.

Students:	RIT 231-240:
	- Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units
	- Completes complex conversions of customary units of length involving fractions, decimals, or more than two units
	- Completes complex conversions of customary units of weight involving fractions, decimals, or more than two units
	- Completes complex conversions of more than two units of time
	- Completes conversions of metric units of capacity
	- Completes conversions of metric units of length
	- Completes conversions of metric units of mass
	- 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

Students:	RIT 241-250:
	- Completes conversions of metric units of capacity
	- Completes conversions of metric units of length
	- 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

Students:	
	RIT 251-260:
	- Completes conversions of metric units of capacity