

Unit 1 - Ag Food Nat Res	Unit 2 - Health Sciences	Unit 3 - Human and Public Services	Unit 4 - METT - Trades Kitchen	Unit 5 - METT - Trades Roofing	Unit 6 -METT Manufacturing	Capstone - Workplace Design	Major - per competency	Support - per competency	Competencies
M	M				M	M	4	0	TM-NS1-A. Analyze proportional relationships and use them to solve contextualized and mathematical problems.
S	S						0	2	TM-NS1-B. Compute unit rates associated with ratios of fractions, decimals, and percents and including ratios of lengths, areas and other quantities measured in like or different units.
S		S			S	S	0	4	TM-NS1-C. Apply properties of operations to calculate with numbers in any form including signed numbers.
	S				M	S	1	2	TM-NS1-D. Convert between forms as appropriate.
S			S	S	S	S	0	5	TM-NS1-E. Assess the reasonableness of answers using mental computation and estimation and rounding strategies.
		S	S	S	S		0	4	TM-NS1-F. Use rational approximations of irrational numbers to compare the size of irrational numbers and estimate the value of expressions (e.g., $\pi/2$ ).
	M	M			S	M	3	1	TM-NS2-A Convert like measurement units within a given measurement system and between systems.
	M		S		S	S	1	3	TM-NS2-B Convert among different sized standard and/or metric measurement units and use these conversions in solving authentic multistep problems.
S	M					S	1	2	TM-NS2-C Use ratio reasoning (dimensional analysis) to convert measurement units including, but not limited to, distances and rates.
			M	S	S	S	1	3	TM-NS2-D Manipulate and transform units appropriately when multiplying or dividing quantities.
S	S	S		S	S	M	1	5	TM-NS3-A. Evaluate expressions at specific values for their variables. Include expressions that arise from formulas in authentic problems.
		S		S	S	M	1	3	TM-NS3-B. Perform arithmetic operations, including those involving whole-number exponents, using order of operations.
		S	S	S			0	3	TM-NS3-C. Work with radicals and integer exponents.
			S		S		0	2	TM-NS3-D. Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$ , where $p$ is a positive rational number.
		S	S				0	2	TM-NS3-E. Evaluate square roots of small perfect squares and cube roots of small perfect cubes.

		S	S		S		0	3	TM-NS3-F. Know that square roots and cubed roots of non-perfect squares and cubes are irrational and understand what irrational numbers are.
M	M						2	0	TM-NS4-A. Draw conclusions and justify those conclusions from graphics such as order forms, bar charts, pie charts, diagrams, flow charts, maps, and dashboards.
M	S						1	1	TM-NS4-B. Identify and interpret trends, patterns, and relationships from graphs and charts.
M			S				1	1	TM-NS4-C. Identify types of graphs that best represent a given set of data.
M	S				S	S	1	3	TM-NS4-D. Make and justify decisions based on data.
			M	M	M	M	4	0	TM-G1-A. Use perimeter, area, and volume formulas to calculate measurements of geometric figures.
		M	M	S	S	S	2	3	TM-G2-A. Use facts about supplementary, complementary, vertical, adjacent, corresponding, alternate interior, and alternate exterior angles to solve for an unknown angle.
			M		M	S	2	1	TM-G2-B. Accurately measure parts of geometric figures such as sides, perimeter, circumference, diagonals, diameter, and angles using the correct measurement tool.
			M		M	M	3	0	TM-G2-C. Solve problems involving scale drawings of geometric figures including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.
	M	S	S				1	2	TM-G2-D. Represent applied problems by graphing points in the coordinate plane and interpret coordinate values of points in the context of the situation.
		M		M		S	2	1	TM-G3-A. Use the Pythagorean Theorem to solve for the length of a leg or the hypotenuse of right triangles.
		M		M			2	0	TM-G3-B. Use right triangle ratios (sine, cosine, tangent, and their inverses) to solve for unknown sides and angles in right triangles.
S			S		S	S	0	4	TM-BA1-A. Use properties of operations to generate equivalent expressions.
			S		S	S	0	3	TM-BA1-B. Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.
		M			S	S	1	2	TM-BA1-C. Solve linear equations and inequalities in one variable.
		M				S	1	1	TM-BA1-D. Use linear equations to model authentic contexts.
		S	S		M	M	2	2	TM-BA2-A. Use variables to represent two quantities involving geometric figures that change in relationship to one another.
		M			M	M	3	0	TM-BA2-B. Write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable.

		M			S		1	1	TM-BA2-C. Rearrange formulas to highlight a quantity of interest using the same reasoning as in solving equations.
		S	S			M	1	2	TM-BA3-A. Evaluate expressions, including those that arise from formulas in authentic problems, at specific values for their variables.
			S		M	S	1	2	TM-BA3-B. Reason quantitatively and use units to solve problems as a way to understand problems and to guide the solution of multistep problems.
	S	S	S	S	S	S	0	6	TM-BA3-C. Choose and interpret units consistently in formulas.
	S	S	S	S	S	S	0	6	TM-BA3-D. Apply appropriate formulas to solve applications.
5	6	8	5	3	8	9			M= Major
6	7	12	16	9	18	17			S=Supporting