



# Related Technical Math



<b>Date</b>	February 7, 2025	<b>Orientation Time</b>	8:30 AM (CLOSED to instructors)
<b>Location</b>	Butler Tech 3603 Hamilton Middletown Rd Hamilton, OH 45011	<b>Contest Time</b>	Immediately following orientation (CLOSED contest)
<b>Scope of Contest</b>	<p>Competitors will demonstrate their ability to solve math problems that deal with skilled technical real-world scenarios:</p> <ul style="list-style-type: none"><li>• The written knowledge test comprises 50 problems applicable to any career and technical field. It covers applications of the fundamental operations of whole numbers, fractions and decimals, including applications of percentages, ratio and proportion, averages, areas and volumes. The written knowledge test will provide the student the opportunity to demonstrate his or her problem-solving skills, not just mathematical ability.</li><li>• Students have two hours to complete the problems and check their answers.</li><li>• Hand-held calculators may be used. Competitors need nothing more than a simple scientific calculator.</li><li>• The test is based on real-world mathematical applications and reasoning — not theoretical mathematics.</li><li>• No bonus will be given for early completion of the written knowledge test.</li></ul>		
<b>Testing</b>	Yes		
<b>Eligibility</b>	3 competitors per building IRN (Chapter)		
<b>Clothing</b>	Clothing Classification Guide: CLASS A or F		
<b>Provided by Contestant</b>	<ul style="list-style-type: none"><li>• Professional Resume – must be typed and physically produced as a hard copy</li><li>• Emergency Medical Form (Contestants must have this to compete)</li><li>• Hand-held calculator (non-programmable). Phones will not be permitted.</li></ul>		
<b>Contest Skilled Performance Standards</b>	A written knowledge test will be required. A sound knowledge of geometry, algebra, trigonometry and basic statistics will prepare the students to exhibit their problem-solving skills for this part of the contest.		