

MATHEMATICS CHALLENGE RULES



Time: 1 hour

Each school may enter one (1) team consisting of four (4) students in the Mathematics Challenge. **There will be separate competitions for middle and high school students.**

This is a team competition that will require students to work cooperatively to complete a comprehensive task.

CONTEST RULES:

1. Each student will be asked to read, comprehend, and analyze a scenario that is rich in data. They will then discuss their findings among the team members.
2. The following skills may be involved: following directions, management of information, using different units, comparing and combining information, determining or eliminating data, constructing graphs, data tables, and charts, calculating essential data, and creating model representations.
3. Teams should be prepared to respond to the scenario using knowledge and procedures from various mathematics courses (**Middle School:** Algebra, Geometry; **High School:** Algebra, Geometry, and Pre-calculus).
4. Teams will be asked to make connections across the disciplines and identify real-world connections.
5. Teams will also be asked to provide justifications or explanations at various points.

