Acceptance into the MITAGS Apprenticeship Program (MAP)
requires a math exam for several reasons:

Skill Requirement: Many apprenticeship programs, especially those in technical or trade fields, require a strong foundation in mathematics. Math skills are crucial for understanding navigation concepts, performing calculations, and problem-solving in real-world scenarios. Thus, the math exam serves as a preliminary assessment of an applicant's mathematical proficiency.

Course Intensity: The apprenticeship program is intensive, hands-on training that covers a wide range of specific subjects in a relatively short period. A solid understanding of mathematics is essential for keeping pace with the curriculum and comprehending complex concepts. The math exam helps ensure that applicants have the necessary skills to succeed in the demanding coursework.

Predictive Value: Evidence from previous programs indicates a relationship between performance on the math exam and success in the apprenticeship program. Applicants who struggle with the math exam may also encounter difficulties in understanding course materials and completing classes.

Resource Allocation: Accepting applicants who lack sufficient math skills could lead to challenges for both the students and the program itself. Students who struggle with math often require additional support and resources that may not be available. By setting a minimum standard through the math exam, the program can ensure that resources are available and used effectively and efficiently to support all accepted students.

In summary, requiring a math exam for acceptance into the MITAGS apprenticeship program helps ensure that applicants have the necessary skills to succeed in the rigorous coursework. It serves as an initial mechanism to identify individuals who are better prepared to handle the technical demands of the program, ultimately benefiting both the students and the program as a whole. MITAGS and WSF aim to make sure that applicants are well-prepared to succeed in the apprenticeship program and the math exam helps in that process.