

Math Contests at Belmont Hill School

1. New England Math League (NEML) Upper School Contests

Grades: 9 – 12, or advanced younger students

When: 6 times a year

Format: 6 free-response questions, calculators allowed, 30 minutes

2. New England Math League (NEML) 7th and 8th Grade Contests

Grades: 7 and 8

When: Once a year, February

Format: 35 multiple-choice questions, calculators allowed, 30 minutes

3. American Mathematics Competition 12 (AMC 12)

Grades: 12 or below, student must be age 19.5 years or younger

When: Once a year, February

Format: 25 multiple-choice questions, NO calculators allowed, 75 minutes

4. American Mathematics Competition 10 (AMC 10)

Grades: 10 or below, student must be age 17.5 years or younger

When: Once a year, February

Format: 25 multiple-choice questions, NO calculators allowed, 75 minutes

5. American Mathematics Competition 8 (AMC 8)

Grades: 8 or below, student must be age 14.5 years or younger

When: Once a year, November

Format: 25 multiple-choice questions, NO calculators allowed, 40 minutes

6. MATHCOUNTS

Grades: 7 and 8 for participants. Older students help in preparations

When: Chapter (local) Competition early February. States late February.

Format:

- Sprint Round 40 minutes for 30 questions, no calculator
- Target Round 4 pairs of problems 6 minutes for each. Calculator.
- Team Round 20 minutes for 10 problems – team of 4. Calculator.

7. HARVARD MIT MATHEMATICS COMPETITION (HMMT)

The Harvard MIT Mathematics Competition is one of the largest and most challenging math contests in the world for high school students. Run entirely by students from Harvard and MIT, there is a November contest held at Harvard and a February contest held at MIT. Due to the enormous popularity, there is a lottery system for participation. Each year Belmont Hill puts together a team and enters the lottery. We have been fortunate to compete in the November tournament twice in the last five years. More information is available at www.hmmt.co

8. Math Madness

An NCAA style bracket competition among schools from all around the country, Middle and Upper School students compete in weekly head-to-head math contests throughout the fall and (in some years) the spring. The online based system allows each team to set up a designated day and time each week for their competitions and results are available immediately. This fall (2019) Belmont Hill will join an ISL bracket in addition to the national bracket. It is great fun and available to all Middle and Upper School students. More information available at https://www.aretelabs.com/math_madness/about