HMT means Secondary school maths competition

**ChatGPT said:**

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Thank you for clarifying! If you are looking for secondary schools in Stockholm and Täby that:

1. Provide special education in mathematics, and
2. Participate in or prepare students for the HMT (Secondary School Maths Competition),

you may need to focus on schools with strong mathematics departments that also emphasize individualized support for students.

Here are steps and potential schools to consider:

**Potential Schools in Stockholm and Täby**

1. **Stockholm International School (SIS)**
   * **Focus**: Offers tailored support in mathematics and has a history of encouraging student participation in various academic competitions.
   * **Contact**: Reach out to confirm participation in HMT or other similar competitions.
   * **Website**: [sis.se](https://www.sis.se/)
2. **Täby Enskilda Gymnasium**
   * **Focus**: Known for advanced math programs and competitive preparation. They may also accommodate students with special education needs in math.
   * **Website**: [tabyenskilda.se](https://www.tabyenskilda.se/)
3. **Åva Gymnasium (Täby)**
   * **Focus**: Offers robust mathematics support and has programs encouraging participation in mathematics and STEM competitions.
   * **Website**: [ava.taby.se](https://ava.taby.se/)
4. **Norra Real (Stockholm)**
   * **Focus**: Strong STEM programs, often involved in competitive mathematics events. Contact them regarding tailored support.
   * **Website**: [norrareal.stockholm](https://norrareal.stockholm/)

**Steps to Confirm Participation in HMT**

* **Contact Schools Directly**: Reach out to their math departments to confirm if they participate in HMT or similar competitions.
* **Math Clubs**: Ask if the school has a math club or extracurricular activities focused on competition preparation.
* **National or Local Listings**: Check Sweden's mathematics competition organizers' websites to identify schools that frequently participate in HMT.

**Resources for Assistance**

* **The Swedish Mathematics Association (Svenska Matematikersamfundet)**: They oversee many mathematical competitions and can provide insight into schools actively participating.
  + Website: [matematikersamfundet.se](http://matematikersamfundet.se)

Would you like me to help identify additional schools or provide contact details for any of the listed ones?

where do students come from and achieve best resutl in Secondary School Mathematics Competition hosted by Danderyds gymnasium

**ChatGPT said:**

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Danderyds gymnasium has a distinguished history of excellence in mathematics competitions, particularly in the "Skolornas matematiktävling" (SMT), Sweden's premier mathematics contest for upper secondary students.

**Notable Achievements:**

* **2024:** Jacob Brzezinski Ädelroth, a student from Danderyds gymnasium, secured first place in the SMT final, achieving a perfect score.

[Danderyd](https://www.danderyd.se/skolor/danderyds-gymnasium/danderyd-gymnasium-nyheter/spetselev-svensk-gymnasiemastare-i-matematik-2024/?utm_source=chatgpt.com)

* **2013:** Johan Sannemo, representing Danderyds gymnasium, attained third place in the SMT final with a score of 40 points.

[Matte Tävling](https://www.mattetavling.se/nyheter/rets-finalister-och-resultaten-i-lagtvlingen?utm_source=chatgpt.com)

* **2012:** Johan Sannemo emerged as the winner of the SMT, contributing to the school's legacy of success in mathematics competitions.

[Facebook](https://www.facebook.com/photo.php?fbid=703806459632350&id=155293064483695&locale=el_GR&set=a.703806439632352&utm_source=chatgpt.com)

These accomplishments highlight the school's commitment to fostering mathematical talent and its consistent performance in national competitions.

For more detailed information on the competition and historical results, you can visit the official SMT website:

[Matte Tävling](https://www.mattetavling.se/nyheter/resultat-fran-kvaltavlingen?utm_source=chatgpt.com)

where do students come from and achieve best result in Secondary school maths competition

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ChatGPT

In Sweden's Secondary School Mathematics Competition ("Skolornas matematiktävling"), students achieving the best results often come from schools with strong mathematics programs and a focus on competitive preparation. These schools are typically known for their rigorous academic environments and support for advanced learners.

### **Top Schools with Best Results**

Here are some schools frequently associated with high achievers in the competition:

1. **Danderyds Gymnasium (Stockholm County)**
   * Known as a hub for mathematical excellence.
   * Consistently produces finalists and winners in mathematics competitions.
   * Offers specialized programs for gifted students.
2. **Norra Real (Stockholm)**
   * Offers strong STEM-focused programs.
   * Many students excel in national and international math contests.
3. **Katedralskolan (Lund)**
   * A traditional academic school with a history of success in mathematics and science competitions.
   * Supports students with strong extracurricular math activities.
4. **Hvitfeldtska Gymnasiet (Gothenburg)**
   * Strong emphasis on mathematics and science, with students regularly participating in national competitions.
5. **Berzeliusskolan (Linköping)**
   * A key center for STEM education, producing students who perform well in math and science contests.
6. **Viktor Rydberg Gymnasium (Stockholm)**
   * Offers advanced mathematics tracks and frequently supports competitive students.

### **Geographical Insights**

* **Stockholm Region:** This area is home to many high-performing schools, including Danderyds Gymnasium and Norra Real, with access to strong mentorship and resources.
* **Southern Sweden:** Schools like Katedralskolan in Lund also have notable success due to strong regional STEM programs.
* **Gothenburg and Linköping:** Schools in these cities often field strong candidates for the competitions.

### **Common Factors Among Top Performers**

1. **Specialized Math Programs:** Many students come from schools with advanced or tailored math curriculums.
2. **Extracurricular Support:** Participation in math clubs or regional training camps organized by Svenska Matematikersamfundet or other organizations.
3. **Teacher Mentorship:** Dedicated teachers who encourage and train students for competitions.

If you’re interested in the specifics of recent results or want to find schools near you that excel in these competitions, I can help further!

can you provide some middle school, i.e junior high school list which has strong Mathematics Competition

###### ChatGPT said:

ChatGPT

Here is a list of middle schools (junior high schools) in Sweden, particularly in Stockholm and surrounding areas, that have strong programs or reputations in mathematics and actively encourage participation in competitions:

### **Stockholm Area**

1. **Ålstensskolan (Bromma, Stockholm)**
   * Offers advanced mathematics tracks and encourages participation in math contests.
   * Known for fostering a strong math culture among students.
2. **Engelbrektsskolan (Östermalm, Stockholm)**
   * Focuses on STEM subjects with a history of student participation in regional and national math competitions.
3. **Kungsholmens grundskola (Kungsholmen, Stockholm)**
   * Provides enrichment programs for gifted students, including opportunities in mathematics and problem-solving activities.
4. **Täby Friskola (Täby)**
   * Recognized for its strong academic programs and support for students who excel in mathematics.
5. **Internationella Engelska Skolan (IES) (Various Locations)**
   * Locations in Täby, Bromma, and Södermalm.
   * Known for encouraging high-achieving students in mathematics through internal and external competitions.

### **Features of These Schools**

* **Math Clubs:** Many of these schools have after-school programs or clubs dedicated to problem-solving and competition preparation.
* **Teacher Support:** Teachers who actively mentor students and organize training sessions for contests like "Pythagoras Quest" or "Skolornas matematiktävling."
* **External Collaborations:** Some schools collaborate with universities or organizations like Svenska Matematikersamfundet to provide students with additional resources.

Would you like more detailed information about any of these schools or others in a specific region?

what kind of admission math test does engelbrektsskolan host and can you provide sample test

**ChatGPT said:**

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[[Favicon](https://www.google.com/maps/search/Engelbrektsskolan)](https://www.google.com/maps/search/Engelbrektsskolan" \t "_blank)

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Engelbrektsskolan, located in Östermalm, Stockholm, is renowned for its strong emphasis on mathematics education. The school offers specialized programs designed to challenge and engage students with a keen interest in mathematics.

**Admission Process:**

While specific details about admission tests at Engelbrektsskolan are not publicly available, schools with advanced mathematics programs often assess applicants' mathematical abilities to ensure appropriate placement. These assessments may include problem-solving tasks, logical reasoning questions, and evaluations of mathematical understanding.

**Sample Mathematics Problems:**

To prepare for potential assessments, consider practicing problems that test a range of mathematical skills. Here are some sample questions:

1. **Algebraic Expressions:** Simplify the expression 2(x+3)−4(x−2)2(x + 3) - 4(x - 2)2(x+3)−4(x−2).
2. **Geometry:** Calculate the area of a triangle with a base of 10 cm and a height of 5 cm.
3. **Number Theory:** Determine the greatest common divisor (GCD) of 48 and 180.
4. **Probability:** If a fair six-sided die is rolled, what is the probability of rolling an even number?
5. **Logical Reasoning:** If all Bloops are Razzies and all Razzies are Lazzies, are all Bloops necessarily Lazzies? Explain your reasoning.

**Preparation Tips:**

* **Practice Regularly:** Engage in daily problem-solving to enhance your mathematical skills.
* **Join Math Clubs:** Participate in extracurricular activities that focus on mathematics to gain exposure to diverse problems and solutions.
* **Seek Resources:** Utilize textbooks, online platforms, and educational websites that offer practice problems and tutorials.
* **Consult Educators:** Reach out to current mathematics teachers or tutors for guidance tailored to your strengths and areas for improvement.

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For more information about Engelbrektsskolan's programs and admission procedures, consider contacting the school directly or visiting their official website.