



AFTER-SCHOOL MATH CLASSES - GRADES K-11

### What Our Parents Say

*"Spirit of Math is great and amazing! I've rarely seen kids so intensely interested in what they learn in class. My daughter is so excited about what she's learning and loves your fantastic program, I love the way she approaches problems and this doesn't only apply to math but also in her everyday life. My favourite part of this program is that she has become more of a creative thinker and I love her approach for logically solving math problems."*

*"Spirit of Math helps give children confidence in math, in a fun, yet challenging environment. We have been recommending the program to friends for many years and will continue to do so."*

*"My six year old is very bright but is rarely excited by his school work. With Spirit of Math, on the other hand, he is always excited to do the homework and solve the problems. I love to see him challenged and excited about learning."*

*"My children's confidence and self-esteem has blossomed. As well, their willingness to try new things and tackle new tasks is, I believe, a direct result of their experiences with this program."*

\* Comments from a 2015 parent survey

### What Our Students Say

*"My experience at Spirit of Math has been very exciting. Since Grade 1, I knew Spirit of Math was the best place to learn math. Now I am in Grade 6, having fun and learning at the same time. Building on to my edifice of knowledge, I have learned many different and useful methods such as the Gauss formula, relocation property, rationals, and many more. Spirit of Math also encourages us to work together in groups to solve complex problems, share our ideas and help out other classmates. Overall, Spirit of Math is a great place to be because not only are the academics great here, but it is a fun place to learn and make new friends."*

S. Tse - grade 6 Spirit of Math student

*Spirit of Math is a great after-school program. It involves a lot of challenging math exercises that has made my math at school a lot easier. All the teachers and students are nice and they make class extremely fun! I'm always excited to go and see all my classmates and learn more.*

Z. Wylde - grade 3 Spirit of Math student

Answer: 100 cm  
(Answer to question inside)



To promote co-operation,  
inspire confidence,  
and release the genius  
in every child.®





## Taking students from the top of the class to the top of the nation!

### What Sets Us Apart?

Spirit of Math offers math enrichment with a difference. For more than 25 years, Spirit of Math has been offering a balanced and comprehensive curriculum that captures the essence, or "spirit," of math. Parents and students report that the skills and knowledge they learn at Spirit of Math helps them in all areas of their lives.

### Our Classes

Spirit of Math classes are fast-paced with specific times designated for different tasks. In all grades, the teacher teaches the basic concepts to the class, carefully crafting questions for the students that will "pull" ideas from the class. This method of teaching, by asking probing questions, ensures a proper conceptual understanding of new topics, thus developing stronger math skills. Students then have an opportunity to ask questions and often come up with insightful concepts that are typical of high-achieving students.

### Our Class Format

The format of the classes was created to satisfy the following components:

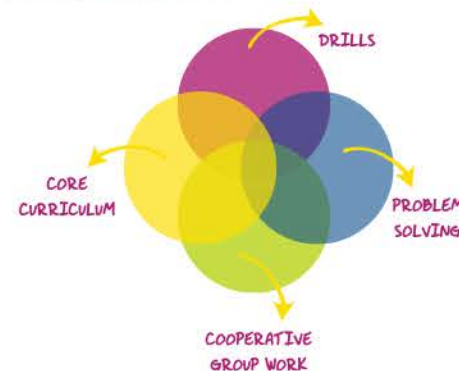
- 1 A comprehensive curriculum with questions that go deeper than those from a typical textbook.
- 2 The advantage of a class situation where students can be with like-minded peers.
- 3 In 1.5 hours, we cover as much content, if not more, than is covered in a whole week of day school.



### An example of a grade 3 class:

4:25 - 4:35	Students arrive, hand in homework, and the teacher takes attendance.
4:35 - 4:55	Students complete two 5-minute drills, which are immediately taken up. The class strives to reach an average of 35/40.
4:55 - 5:15	Last week's Problem of the Week (POW) is taken up and then a new POW is taught for the current week.
5:15 - 5:35	The teacher introduces the number theory lesson.
5:35 - 5:55	Independent assignments are discussed or taken up.
5:55 - 6:00	Mental Math

Our curriculum integrates four unique key elements:



### Outstanding Results



Since the 1980's, Spirit of Math students have produced exceptional results and continue to accrue honours.

In the last five years combined, Spirit of Math students earned more than 5,000 placements on national and international math competition honour rolls, including top medals and Certificates of Distinction. Spirit of Math is not principally a contest prep school. While winning competitions are certainly occasions to celebrate and a way to assess understanding, we applaud our students' successes in their day school classrooms and focus on the development of valuable skills that carry over to many areas of daily life:

- Confidence in leadership skills
- A strong sense of teamwork
- A solid understanding of how to approach many types of problems
- Persistence in the face of difficulty

These are important achievements that stem from disciplines learned at Spirit of Math.

### Our Teachers

Spirit of Math teachers are hired for their aptitude, ability and enthusiasm. They have earned post-secondary degrees and have been trained and mentored in the Spirit of Math methods of teaching.



During the school year, all teachers participate in professional development classes designed by Spirit of Math. Curriculum support is also provided to all teachers, and campuses are encouraged to set up "buddy" or mentoring systems for teachers to support each other.

Just as our students want the opportunity to stretch themselves and develop according to high standards, so Spirit of Math teachers appreciate the challenge to be the best they can be. Guiding teachers as they strive for excellence in their field is a complex process, but Spirit of Math has honed a system that works, and is a large part of the program's ongoing success.



Try solving one of our sample questions!

**GRADE**  
**6**

**Q:** Two bugs are running back and forth along a straight branch at constant speeds without stopping. They start from opposite ends of the branch at the same time and meet for the first time 40 cm from one end of the branch. They continue to the ends and return, meeting for the second time 20 cm from the other end of the branch. How long is the branch?

Answer at the back | For full solution to the problem, visit: [www.spiritofmath.com/solutions](http://www.spiritofmath.com/solutions)