32nd Annual New Brunswick Mathematics Competition Grades 7 – 9

Report, June 2, 2014

The Competition was held on Friday, May 9, 2014, simultaneously on the campuses of the University of New Brunswick at Fredericton and Saint John, and at l'Université de Moncton at their Moncton, Edmundston and Shippagan campuses.

The competition paper was available in both English and French at all locations. A total of **1247** students participated: 402 in Fredericton, 275 in Saint John, 322 in Moncton, 118 in Edmundston and 130 in Shippagan. (A few more ambitious students from lower grades participated informally.) The students represented 160 schools from all 7 school districts.

Sponsors include the NB Department of Education and Early Childhood Development, Morneau Shepell - Fredericton, Mr. Daniel Gill at CIBC Wood Gundy - Fredericton, the Canadian Mathematical Society (CMS), the Atlantic Association for Research in the Mathematical Sciences (AARMS) and the two host universities.

The awards ceremony at UNB-Fredericton was hosted by Dr. Eddy Campbell, mathematician and President of the University of New Brunswick. Prizes were presented to students by Kathy Hildebrand, Learning Specialist K-8, NB Department of Education and Early Childhood Development; Michael Freeze, Actuarial Analyst, Morneau Shepell, Fredericton; and Stephen Heard, Acting Dean of Science at UNBF.

All winners, including those finishing first in each of numerous subdistricts, received a mathematically themed T-shirt. This year's T-shirt featured the golden section τ, one of the many appearances of which is the ratio of diagonal to edge in a regular pentagon.

District winners for each grade received as well diplomas and either a book (English districts) or a magazine subscription (French districts).

Pewter medals were given or mailed to the top three students in the province for each grade.

The top three students in each grade, at each campus, will receive cheques. We thank our many sponsors for underwriting these and all other prizes.

I am pleased to acknowledge the contribution of many of my colleagues in the Department of Mathematics & Statistics (Fredericton), and especially help from the secretarial staff, Cindy Thomas, Jennifer Meade and Marilyn Hetherington. They really do a huge portion of this important effort. Special thanks go Jeff Picka and Guohua Yan, who scanned answer sheets and ran computer code here at UNBF.

Additional thanks go to those from other departments at UNBF who provided a great variety of stimulating activities for competitors and teachers during the afternoon. As usual, the response to these activities, and indeed to the entire program, has been most favourable.

Many other faculty, staff and students at all five campuses helped out on the day of the competition.

Particular thanks go to Samuel Gaudet, A hcène Brahmi, Jacques Allard, Martine Arsenault in Moncton; Amel Kaoche and Eric Pelletier in Edmundston; Rina Robichaud and Yvette Duguay in Shippagan; Tim Alderson in Saint John.

More information is available at **http://www.math.unb.ca/mathcomp/.**

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