

Missoula Math Circle

Math Beyond the Classroom

Session 2: January 26 – March 29, 2012

Students who enjoy solving puzzles, figuring out things, and learning mathematics are invited to attend Math Circle meetings to broaden their knowledge in the area of mathematics. Come and bring a friend!

In Spring 2012 we will be talking about numbers.
For example,

- (1) What is a prime number?
- (2) How many prime numbers are there?
- (3) What do prime numbers have to do with internet shopping?
- (4) How can you show that $2^{11213}-1$ is a prime number?
- (5) How many digits does the current biggest prime number have? (Over 12 million!)
- (6) How can you factor a very large number??



Inquiry-based exploration and group problem solving will be emphasized, this means hands-on activities not lectures!

All events will be held at The University of Montana.

All students in grade 8 or higher are invited.

DETAILS

Missoula Math Circle is an afterschool activity for area students in grades 8-12 in which math topics are explored in more depth. The activities are broken up into 2 sessions (fall and winter), each with 6 meeting times (see web for details). Students work with UM math graduate students and faculty in a stimulating and challenging environment. Problem solving and self-guided learning will be enjoyed by all! Enrollment is limited, early registration is encouraged.

Program and Registration Information: <http://www.math.umt.edu/mathcircle/>

Instructors: UM Professors and Graduate Students

Information: WEB: <http://www.math.umt.edu/mathcircle/> EMAIL: mathcircle@mso.umt.edu

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