## Missoula Math Circle Math Beyond the Classroom

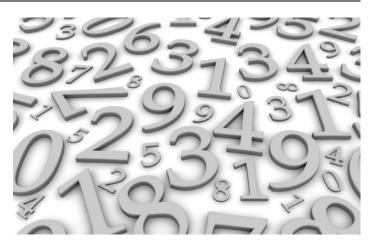
**Session 2: January 26 – March 29, 2012** 

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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