

A FOCUS ON MATHEMATICS SEMINAR

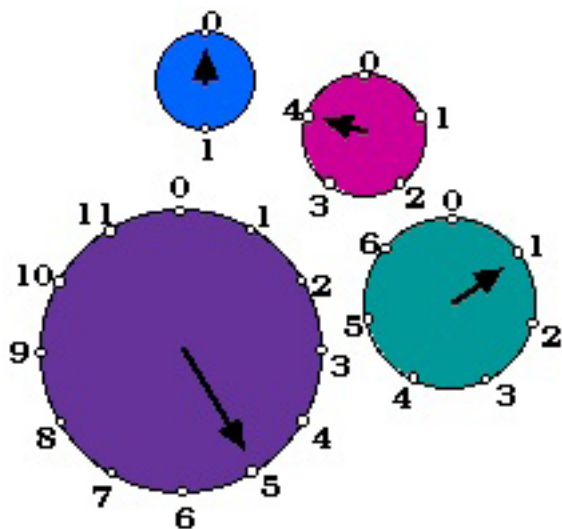
Modular Arithmetic

Presented by: David Drellich and Bob Weldin
Mathematics, Science, and Technology
High School, Lawrence

*What time
will it be in
70 hours?*

*What day of the week will it be
23 days from now?*

Is 17 odd or even?



Even if you have never heard of modular arithmetic, you have used it for these everyday calculations. The brainchild of Carl Gauss, it has at its root the question: Is an integer divisible by another integer, called the modulus?

An important tool of computer science, modular arithmetic can help you determine if a number is prime and is used for the cryptography, which keeps your credit card number secure when you shop on the Internet. Starting with the definition of modular arithmetic and its operations we will explore some applications through examples.

Teachers of all grade levels are encouraged to attend!

DATE: MONDAY, MARCH 31, 2008
TIME: 3:00 – 6:00 P.M.
**LOCATION: LAWRENCE HIGH SCHOOL
MAIN CAMPUS BUILDING
70–71 N. PARISH RD.
LAWRENCE**

***Deadline for registration is March 25th.
To register, please e-mail Karina Dymina at
kdymina@edc.org***

Refreshments will be served from 3:00 to 3:20. The seminar will begin promptly at 3:30.

For directions to Lawrence High School, please visit www.focusonmath.org.



Focus on Mathematics is a unique partnership of mathematicians and educators from Boston University, Education Development Center, Inc., UMass Lowell, Lesley University, and five Greater Boston school districts: Arlington, Chelsea, Lawrence, Waltham, and Watertown.



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