

Math Mole

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Half Done!

Volume 3, No. 4

This issue

- Mathematician of the Day
- Quotes of the Day
- Puzzle
- Today's Editor: Lisa
- Tomorrow's Editor: Casey
- Tomorrow's Career Spotlight: Vikas

Quotes:

Life is good for only two things, discovering mathematics and teaching mathematics

—Siméon Poisson

If people do not believe that mathematics is simple, it is only because they do not realize how complicated life is.

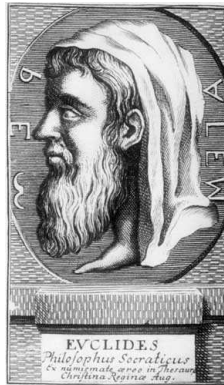
—John Louis von Neumann

Puzzle1: A 24 liter bucket is full of lemonade. 3 men want to have equal amounts of it to take home, but they only have a 13 liter, a 5 liter and an 11 liter bucket. How do they do it?

Puzzle2: Each letter represents a different digit. What is the problem written in numerals?

SEND + MORE = MONEY.

Mathematician of the Day



Euclid of Alexandria, 330?-275? B.C.

- Euclid was one of the most influential mathematicians of ancient Greece.
- He was known as the father of geometry, and he created the geometry called Euclidean Geometry.
- He wrote the Elements, a volume of 13 books that became the most common geometry textbook used in the 1700s. It contained his five postulates:
 1. Two points determine a line
 2. A line segment extended infinitely in both directions produces a straight line.
 3. A circle is determined by a center and a distance.
 4. All right angles are equal to one another.
 5. If a straight line falling on two straight lines forms interior angles on the same side less than 180° , then two straight lines, if produced indefinitely, will meet on that side.
- Very little else is known about his life

Info From: <http://www.andrews.edu/~calkins/math/biograph/199899/bioeucli.htm>

Today:

Linear Dependence, Independence, Basis, Change of Basis, Dimension (5.4); Lab 11 on Fractals

Tomorrow:

Application of Basis etc. to Matrices (5.5)