

Attendance Quiz # 0 for Dr. Z.'s MathHistory for Lecture 0 (due no later than 10 minutes after class)

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Email to DrZlinear@gmail.com right after class

Subject:p0

with an attachment p0FirstLast.pdf

Part I: List all the "attendance questions" during the lecture, followed by your answers.

1. Who was Kurt Godel?
Answer: One of the greatest mathematicians of the 20th century.
2. How old was Gauss when he created his famous formula for the sum of numbers $1 \dots n$?
Somewhere around 5-6, as he tells it (though some contest this).
3. What is $54 * 57$, solved algebraically?
Answer: 3078

Part II:

1. (a) Express the number one hundred eighty two (in our usual, base ten, notation) in terms of powers of 5.
 $1(5^3) + 2(5^2) + 1(5^1) + 2(5^0)$

(b) Use the the above to express one hundred eighty two (expressed in our usual, base ten, notation) in base ve.
1212

2. What is the decimal name of the integer that is called "One million and one" in base 2?
65