

AMC 8 Day 5 Number & Cycle

1 (1分) A 2-digit number is such that the product of the digits plus the sum of the digits is equal to the number. What is the units digit of the number? (2014 AMC 8 Problem, Question #22)

- A. 1 B. 3 C. 5 D. 7 E. 9

2 (1分) A three-digit number's tens digit is 0 and its value is 34 times the sum of its digits. If we swap its ones digit and hundreds digit, the new number we get is _____ times the sum of its digits.

- A. 67 B. 34 C. 3 D. 17 E. 201

3 (1分) The last digit of 2013^{2013} is _____.

- A. 1 B. 2 C. 3 D. 4

4 (1分) The remainder of 4^{2019} divided by 5 is?

- A. 0 B. 1 C. 2 D. 3 E. 4

5 (1分) Today is Sunday. What day of the week is it after 40^{40} days? _____.

- A. Monday B. Tuesday C. Wednesday D. Friday E. Sunday