

AMC 10A, 2021, Problem 1

What is the value of

$$(2^2 - 2) - (3^2 - 3) + (4^2 - 4)$$

- (A) 1
- (B) 2
- (C) 5
- (D) 8
- (E) 12

AMC 10A, 2021, Problem 2

Portia's high school has 3 times as many students as Lara's high school. The two high schools have a total of 2600 students. How many students does Portia's high school have?

- (A) 600
- (B) 650
- (C) 1950
- (D) 2000
- (E) 2050

AMC 10A, 2021, Problem 3

The sum of two natural numbers is 17,402. One of the two numbers is divisible by 10. If the units digit of that number is erased, the other number is obtained.

What is the difference of these two numbers?

- (A) 10,272
- (B) 11,700
- (C) 13,362
- (D) 14,238
- (E) 15,426



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