

2025 August AMC 8 Week 1 Day 3 - Mean, Median and Mode (2.0)

1

(1分) Given that the average of **2021** different positive integers is **3939**, find the minimum possible value of the largest number among those **2021** positive integers. ()

- A. 3939 B. 4042 C. 4949 D. 5960 E. 1

2

(1分) The ratio of girls to boys participating in a math competition is **1 : 3**. The overall average score of the competition is **82** points, and the average score of the boys is **80** points. What is the average score of the girls?

- A. 82 B. 84 C. 86 D. 88 E. 90

3

(1分) There are **3** classes in the sixth grade of a certain elementary school. It is known that: the sum of the average number of students in Class **1** and Class **2** and the number of students in Class **3** is **48**, the sum of the average number of students in Class **2** and Class **3** and the number of students in Class **1** is **50**, the sum of the average number of students in Class **1** and Class **3** and the number of students in Class **2** is **52**. What is the total number of students in the three classes?

- A. 70 B. 72 C. 74 D. 75 E. 77

4

(1分) Lily's average score for the first several math quizzes this semester is **87** points. If she scores **99** points on the final exam, her average math score for the semester (including the final) will increase to **90** points. How many math quizzes (excluding the final) has she taken so far this semester?

- A. 3 B. 4 C. 5 D. 6 E. 7

5

(1分)

Amy, Betty, and Celia received a total of 1800 dollars in lucky money during the New Year. Amy gives $\frac{1}{3}$ of their money to Betty, then Betty gives $\frac{1}{4}$ of their current amount to Celia, and then Celia gives $\frac{1}{5}$ of their current amount to Amy. At this point, they have the same amount of money. How much more money did Betty originally have than Celia?

A. 25

B. 35

C. 45

D. 100

E. 125