

2025 June AMC 8 Week1 Day1 - Calculation Tricks by Grouping

1 (1分) What is the value of $(7 + 8 + 9) - 7 + (7 + 8 + 9) - 8 + (7 + 8 + 9) - 9$?

- A. -24 B. 24 C. 48 D. 72 E. 96

2 (1分) What is the value of $211 \times 555 + 445 \times 789 + 555 \times 789 + 211 \times 445$?

- A. 999999 B. 1000000 C. 936840 D. 1111111 E. 100000

3 (1分) What is the value of $169 - 168 - 167 + 166 + 165 - 164 - 163 + 162 + \dots + 9$?

- A. 0 B. -9 C. 5 D. 9 E. 84

4 (1分) What is the value of

$$2025 - 2024 + 2023 - 2022 + 2021 - 2020 + 2019 - 2018 + \dots + 3 - 2 + 1?$$

- A. 1012 B. 1013 C. 1014 D. 1015 E. 1016

5 (1分) What is the value of $4 - 6 + 8 - 10 + \dots + 2020 - 2022 + 2024$?

- A. 1014 B. 1010 C. -1010 D. 1016 E. 1018