



AUSTRALIAN MATHS TRUST

AMC Challenge
Junior: Years 7–8
Practice Problem

J2: Cards

Consecutive numbers are written on five separate cards, one on each card. If the sum of the smallest three numbers is 60, what is the sum of the largest three numbers?

- a. 62 b. 63 c. 64 d. 65 e. 66

Solution

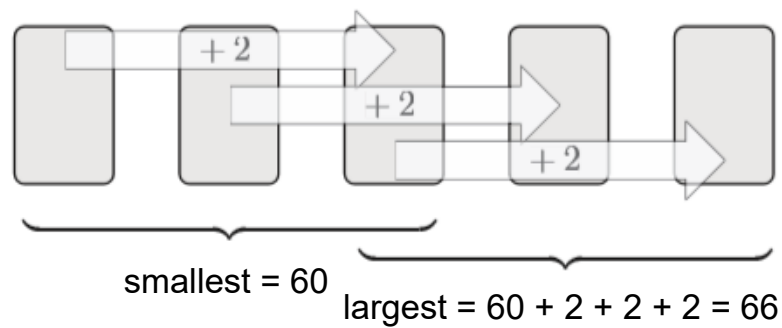
Alternative 1

The average of the three smallest is 20, so they will be 19, 20 and 21. Then the largest three numbers are 21, 22 and 23, which add to 66,

hence (E).

Alternative 2

Comparing the largest three to the smallest three:



hence (E).