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1988 Q21

21. A fifth number, n , is added to the set of numbers $\{3,6,9,10\}$ to make the mean of the set of five numbers equal to its median. The number of possible values for n is
- A) 1 B) 2 C) 3 D) 4 E) more than 4

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2009 Q21

21. Andy and Bethany have a rectangular array of numbers with 40 rows and 75 columns. Andy adds the numbers in each row. The average of his 40 sums is A . Bethany adds the numbers in each column. The average of her 75 sums is B . What is the value of $\frac{A}{B}$?
- (A) $\frac{64}{225}$ (B) $\frac{8}{15}$ (C) 1 (D) $\frac{15}{8}$ (E) $\frac{225}{64}$

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2012 Q22

22. Let R be a set of nine distinct integers. Six of the elements of the set are 2, 3, 4, 6, 9, and 14. What is the number of possible values of the median of R ?
- (A) 4 (B) 5 (C) 6 (D) 7 (E) 8