

POD  
**MGMAT: Word Problems**

QUESTION **46** OF 46

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QUESTION

What is the average of 3,456, 3,463, 3,470, 3,477, and 3,484?

ANSWER

3,470

EXPLANATION (1)

 Manhattan GMAT

Finding the average of a list of such large numbers might seem a daunting task at first, but remember that the GMAT is not trying to test your ability to do long calculations – there is likely a pattern here than can make the computation easier to handle. Looking at the list of numbers, each number is 7 more than the previous number. Any time a list is composed of evenly spaced numbers, whether that spacing be 1 or 101, the average will equal the median (the middle term of the ordered set). The median is 3,470, thus the average is also 3,470.

Jun 20, 2013

Published on Jun 20, 2013 by Manhattan GMAT.

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## Summary for MGMAT: Algebra



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0%  
correct

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  - 0 Partially Correct
  - 0 Incorrect
  - 0 Skipped
  - 7 Not Answered
- 91 Instructional Items
- 1 Viewed
  - 90 Not Viewed

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| #  | ITEM               | Question   | Date         |
|----|--------------------|--|--------------|
| 1  |                    | Is the statement sufficient? Is $x < [MATH]? 1)  x $   | Aug 22, 2013 |
| 2  |                    | $y) = -5 + [MATH]$ , and at what   |              |
| 3  |                    | $[MATH]$ . If $a$ is doubled and $b$ is  |              |
| 4  |                    | ent? A group of rabbits  |              |
| 5  |                    | ent sufficient? Is $a < 0? 1)$   |              |
| 6  |                    | ollowing: a) If $[MATH]$ , what is   |              |
| 7  | ITEM               | negative integers, what...   |              |
| 8  | INSTRUCTIONAL ITEM | Algebra: Simplify: $[MATH]$  |              |
| 9  | INSTRUCTIONAL ITEM | Algebra: Quadratics Is the statement sufficient? Is $xy < 0? 1) [MATH] > [MATH] + [MATH]$                  |              |
| 10 | MULTIPLE CHOICE    | Algebra: $4x + 2y > 4$ $3x - 2y > 10$ Which could be a value of $x$ ?                                      |              |
| 11 | INSTRUCTIONAL ITEM | Algebra: Quadratic Equations If 2 is one solution to the equation $[MATH] - 9x + c = 0$ , where $c$ is ... |              |
| 12 | INSTRUCTIONAL ITEM | Algebra: $f(x) = a[MATH] + 2$ , where $a$ is a constant. If $f(5) = 77$ , what is $f(4)$ ?                 |              |
| 13 | INSTRUCTIONAL ITEM | Algebra: Exponents & Roots Is the statement sufficient? Is $[MATH] 1) x = 87$                              |              |
| 14 | MULTIPLE CHOICE    | Algebra: The population of bacteria in a dish doubles every 10 seconds. If the population is now ...       |              |
| 15 | INSTRUCTIONAL ITEM | Algebra: Exponents & Roots If $[MATH]$ , what is $w$ ?   |              |
| 16 | INSTRUCTIONAL ITEM | Algebra: Linear Equations Given the following system of equations, what is $x + y + z? x + y = 8$ $x ...$  |              |
| 17 | INSTRUCTIONAL      | Algebra: Formulas If $k(x) = [MATH]$ for all non-zero $x$ , what is the value of                           |              |

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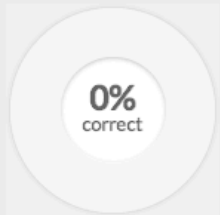
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|----|--------------------|--|--------------|
| 1  | INSTRUCTIONAL ITEM | Algebra:Absolute Value Is the statement sufficient? Is $x < [MATH]? 1)  x  > x$                            | Aug 22, 2013 |
| 2  | INSTRUCTIONAL ITEM | Algebra: What is the minimum value of $f(x) = -5 + [MATH]$ , and at what value of $x$ does it occur?       |              |
| 3  | INSTRUCTIONAL ITEM | Algebra:Formulas Consider the formula $[MATH]$ . If $a$ is doubled and $b$ is increased by a factor of ... |              |
| 4  | INSTRUCTIONAL ITEM | Algebra:Formulas Is the statement sufficient? A group of rabbits multiplies at a constant rate. B...       |              |
| 5  | INSTRUCTIONAL ITEM | Algebra:Exponents & Roots Is the statement sufficient? Is $a < 0? 1) [MATH] < 0$                           |              |
| 6  | INSTRUCTIONAL ITEM | Algebra:Linear Eqs Solve for each of the following: a) If $[MATH]$ , what is $2x + y? b) If [MATH]$ ,...   |              |
| 7  | INSTRUCTIONAL ITEM | Algebra:Exponents & Roots Is the statement sufficient? If $x$ and $y$ are non-negative integers, what...   |              |
| 8  | INSTRUCTIONAL ITEM | Algebra: Simplify: $[MATH]$  |              |
| 9  | INSTRUCTIONAL ITEM | Algebra:Quadratics Is the statement sufficient? Is $xy < 0? 1) [MATH] > [MATH] + [MATH]$                   |              |
| 10 | MULTIPLE CHOICE    | Algebra: $4x + 2y > 4 3x - 2y > 10$ Which could be a value of $x$ ?  |              |
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