

Gmat Quantitative Reasoning Practice

Section: GMAT Quantitative Reasoning Exams • Total Questions: 10 • Format: Verified Q&A

1. If $x - 2y = 2$ and $x^2 + 4xy + 4y^2 = 8$, what is the value of xy ?

- (A) 01-Feb
 - (B) 1
 - (C) 2
 - (D) 02-May
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2. If a_1, a_2, a_3, a_4, a_5 , and a_6 are six distinct real numbers and $f(x) = |x^2|$, then the list $f(a_1), f(a_2), f(a_3), f(a_4), f(a_5)$, and $f(a_6)$ has a minimum of how many distinct values?

- (A) 2
 - (B) 3
 - (C) 4
 - (D) 5
 - (E) 6
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3. If $7x = 4y + 8z$ and $3z = 12x + 11y$, the ratio of x to y to z is

- (A) 3 to 4 to 5
 - (B) 4 to 3 to 5
 - (C) 4 to -3 to 5
 - (D) 4 to 5 to 3
 - (E) 5 to -3 to 4
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4. A certain tour company bought canoes kayaks and life jackets for a total of \$3279. If the company paid \$65 for each canoe \$40 for each kayak and \$2 for each life jacket then the company must have bought which of the following? I. An odd number of canoes II. An even number of kayaks III. An even number of life jackets

- (A) I only
 - (B) II only
 - (C) III only
 - (D) I and III only
 - (E) I II and III
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5. In a certain list of numbers, the first number is 2, the second number is 3, and each succeeding number is the sum of all the numbers that precede it in the list. If k denote the 20th and 24th numbers in the list, respectively, what is the value of k/h ?

- (A) 5
 - (B) 8
 - (C) 10
 - (D) 16
 - (E) 20
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6. For an employee to qualify for early retirement at a certain company, the sum of the employee's age and years of service must be at least 70. If Sue was K years old when she was hired by the company, what is the minimum age at which she could possibly qualify for early retirement?

- (A) $K + 35$
 - (B) $2K + 35$
 - (C) $(70 + K)/2$
 - (D) $(70 - K)/2$
 - (E) $2(70 - K)$
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7. If $2^a + 2^b = 2^3$, what is the value of a ?

- (A) 3
 - (B) 6
 - (C) 2^3
 - (D) 2^2
 - (E) 2^{2+1}
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8. Chairs are to be arranged in a school gymnasium so that the number of chairs in each row will be 8 greater than the number of rows. If a total of 660 chairs are to be arranged in this fashion, how many rows of chairs will there be?

- (A) 12
 - (B) 22
 - (C) 26
 - (D) 30
 - (E) 55
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9. If 0.15 percent of $x/5$ is equal to 2.25, then $x =$

- (A) 75
 - (B) 300
 - (C) 750
 - (D) 3,000
 - (E) 7,500
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10. If $-1 < h < 0$, which of the following expressions has the least value?

- (A) $h^2 - 2h + 1$
- (B) $h^2 - h$
- (C) h
- (D) h^2
- (E) h^3