

Directions: Choose the letter that corresponds to the correct answer to each question below.

1) Multiply: $\frac{x^2 + x - 6}{x^2 - x - 12} \times \frac{x^2 - 16}{x^2 - 4}$

- (a) $\frac{x+4}{x+2}$
- (b) $\frac{x-4}{x-2}$
- (c) $\frac{x^2 - x - 12}{x^2 + x - 6}$
- (d) $\frac{x^2 + x - 12}{x^2 + x - 6}$

2) If $3 = 1 - 2a$, what is the value of $-2a + 1$?

- (a) 0
- (b) 3
- (c) 9
- (d) -3

3) What must be N so that $3 + 2N = -1$?

- (a) -2
- (b) -4
- (c) 2
- (d) 4

4) If $m < 0$ and $n > 0$, which of the following is true given that m and n are both nonzero numbers?

- (a) $n^2m > 0$
- (b) $m^2n < 0$
- (c) $mn^2 < 0$
- (d) $mn^2 > 0$

5) Simplify $(a^{-3}b^2)(a^{-1}b)$

(a) $\frac{b^3}{a^4}$

(b) $b^3 a^4$

(c) $\frac{a^4}{b^3}$

(d) $a^4 b^{-3}$

6) The sum of two numbers is 338. The larger number is 58 more than the smaller number. What is the smaller number?

(a) 120

(b) 130

(c) 140

(d) 160

7) Solve for x: $5x - 5 = 55$

(a) 14

(b) 12

(c) 8

(d) 9

8) The total number of hens in a poultry farm is equal to one-third of the total number of roosters. If the total number of roosters and hens on the farm is 432, how many hens are there?

(a) 108

(b) 196

(c) 248

(d) 324

9) Issy gave 35 apples to Jonathan and 24 apples to Mark. If the number of apples left to Issy after giving them to Jonathan and Mark is 41, what is the original number of apples that Issy had?

(a) 121



Quantitative Reasoning Practice Questions

Set 2:
Algebra

- (b) 115
- (c) 108
- (d) 100

10) An item in a shopping mall was tagged with a 25% discount. If the discounted price of the item was PHP 160.00, what is the original price of the item?

- (a) 232.33
- (b) 225.55
- (c) 220.33
- (d) 213.33



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To God be the glory!