

UNIT 21 *Formulae***CSEC Multiple Choice Questions**

1. Bananas are sold at d cents per pound.
The weight of 8 bananas is 5 pounds.
What is the average cost of 1 banana?
- (A) $\frac{5d}{8}$ cents
- (B) $\frac{8d}{5}$ cents
- (C) $5d$ cents
- (D) $40d$ cents
2. If $a = -3$ and $b = 2$, then $\frac{5a + 4b}{ab} =$
- (A) $\frac{-7}{6}$
- (B) $\frac{7}{6}$
- (C) $\frac{8}{6}$
- (D) $\frac{23}{6}$
3. If $x = 2$ and $y = -1$, then $\frac{3x - 5y}{xy^2} =$
- (A) $\frac{-11}{2}$
- (B) $\frac{-3}{4}$
- (C) $\frac{3}{4}$
- (D) $\frac{11}{2}$

UNIT 21 *Formulae***CSEC Multiple Choice Questions**

4. If $a * b = ab^2 - a^2 b$, then $2 * 3 =$

- (A) 0
- (B) 1
- (C) 6
- (D) 24

5. $-7 - (-3) =$

- (A) -10
- (B) -4
- (C) 4
- (D) 10

6. A worker is paid a wage of \$10 per hour and \$15 per hour for overtime. For working 25 hours and 5 hours overtime, the worker's earnings are

- (A) \$250
- (B) \$275
- (C) \$325
- (D) \$450

7. $-5 - (-2) =$

- (A) -7
- (B) -3
- (C) 3
- (D) 7

UNIT 21 *Formulae***CSEC Multiple Choice Questions**

8. If $p * q = pq^2$, then $2 * 3 =$
- (A) 6
- (B) 12
- (C) 18
- (D) 36
9. Carl has \$5 more than John. Tom has twice as much as Carl and John together. If John has x dollars, then Tom has
- (A) $\$(x + 10)$
- (B) $\$(2x + 5)$
- (C) $\$(2x + 10)$
- (D) $\$(4x + 10)$
10. Seven times the product of two numbers, a and b , may be written as
- (A) $7ab$
- (B) $7a + b$
- (C) $7a + 7b$
- (D) $49ab$

UNIT 21 *Formulae***CSEC Multiple Choice Questions**

11. If $m = -2$ and $p = 3$, then $\frac{4p - m}{mp} =$

(A) $-\frac{7}{3}$

(B) $-\frac{5}{3}$

(C) $\frac{5}{3}$

(D) $\frac{7}{3}$

12. If $\frac{1}{f} = \frac{1}{3} + \frac{1}{4}$, then $f =$

(A) $\frac{7}{12}$

(B) $\frac{17}{12}$

(C) $\frac{12}{7}$

(D) 7

UNIT 21 *Formulae***CSEC Multiple Choice Questions*****ANSWERS***

1. A
2. B
3. D
4. C
5. B
6. C
7. B
8. C
9. D
10. A
11. A
12. C