

17. If $10 + x$ is 5 more than 10, what is the value of $2x$?

- (A) -5
- (B) 5
- (C) 10
- (D) 25
- (E) 50

18. The result when a number is divided by 2 is equal to the result when that same number is divided by 4. What is that number?

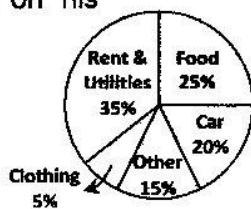
- (A) -4
- (B) -2
- (C) 0
- (D) 2
- (E) 4

19. Which of the following equations satisfy the given ordered pairs: $(-2, -3)$, $(0, 3)$, $(1, 6)$, $(2, 9)$ and $(4, 15)$?

- (A) $y = x^3 + 3$
- (B) $y = 3x + 3$
- (C) $y = -3x + 6$
- (D) $y = x^2 + 6$
- (E) $y = x^2 - 7$

20. The circle graph below shows how David's monthly expenses are divided. If David spends 4500 pesos per month for food, how much, in pesos, does he spend per month on his car?

- (A) 2000
- (B) 3200
- (C) 3600
- (D) 4000
- (E) 4500

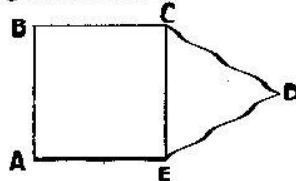


21. If the function f is defined by $f(x) = 3x + 4$, then $2f(x) + 4 =$

- (A) $5x + 4$
- (B) $5x + 8$
- (C) $6x + 4$
- (D) $6x + 8$
- (E) $6x + 12$

22. In the figure below, CDE is an equilateral triangle and $ABCE$ is a square with an area of 1. What is the perimeter of polygon $ABCDE$?

- (A) 4
- (B) 5
- (C) 6
- (D) 7
- (E) 8



23. If n and k are positive integers and $8^n = 2^k$, what is the value of $\frac{n}{k}$?

- (A) $\frac{1}{4}$
- (B) $\frac{1}{3}$
- (C) $\frac{1}{2}$
- (D) 3
- (E) 4

24. In a certain store, the regular price of a refrigerator is 6000 pesos. How much money, in pesos, is saved by buying this refrigerator at 20% off the regular price rather than buying it on sale at 10% with an additional discount of 10% off the sale price?

- (A) 60
- (B) 120
- (C) 240
- (D) 540
- (E) 600

25. If p and n are integers such that $p > n > 0$ and $p^2 - n^2 = 12$, which of the following can be the value of $p - n$?

- I. 1
- II. 2
- III. 4

- (A) I only
- (B) II only
- (C) I and II only
- (D) II and III only
- (E) I, II and III

19.

20.

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refrigerator is 6000 pesos. How much money, in pesos, is saved by buying this refrigerator at 20% off the regular price than buying it at SHFB 31 10°15 Wm} an additional discount of 10% off the sale price?

(A) 50 (B) 120 (C) 240 (D) 540 (E) 600

II. 2 III. 4 (A) I only (B) II only

(C) I and II only (D) II and III only (E) I, II and III