15. What is 20% of 60% of 250?
A. 30 B. 20 C. 80 D. 10 E. NOTA

16. Find the sum of the GCF and LCM of 9 and 15.
A. 48 B. 52 C. 39 D. 45 E. NOTA

17. Simplify: $\frac{3^{-3} \cdot 2^5}{2^4 \cdot 3^{-2}}$
A. $\frac{2}{3}$ B. $\frac{1}{6}$ C. $\frac{4}{3}$ D. $\frac{1}{3}$ E. NOTA

18. Find the slope of a line parallel to the line that passes through $(0, 1)$ and $(7, 4)$.
A. $\frac{7}{3}$ B. $-\frac{7}{3}$ C. $\frac{3}{7}$ D. $-\frac{3}{7}$ E. NOTA

19. Find the probability that on a roll of two six-sided dice, the product of the two numbers shown will be even and a multiple of 3.
A. $\frac{1}{4}$ B. $\frac{1}{6}$ C. $\frac{1}{12}$ D. $\frac{5}{12}$ E. NOTA

20. A square has three of its vertices at $(0, 0)$, $(0, 5)$, and $(5, 0)$. Find the x-coordinate of the midpoint of the square's diagonal.
A. $\frac{5\sqrt{2}}{2}$ B. $\frac{5}{2}$ C. $5\sqrt{2}$ D. $\frac{2}{5}$ E. NOTA

21. There are 20 seniors on the calculus math team. Ten of them are ambassadors and 16 of them are debaters. If all of them do at least one of the aforementioned activities, how many seniors are both ambassadors and debaters?
A. 4 B. 6 C. 8 D. 10 E. NOTA

22. Six people sit around a round table. In how many unique ways can they be seated?
A. 36 B. 120 C. 720 D. 12 E. NOTA

23. Susan's Sandwich Shoppe offers three bread options, four cheese options, and two meat options. If a sandwich must have exactly one type of bread, at most one type of cheese, and at most one type of meat, how many sandwich combinations are possible?
A. 24 B. 45 C. 9 D. 18 E. NOTA

24. A particular integer between 20 and 40 is 3 more than a multiple of 4 and 2 less than a multiple of 5. Find the sum of the digits of this integer.
A. 5 B. 9 C. 4 D. 8 E. NOTA

25. The angles of a triangle are in the ratio 4:8:33. Find the positive difference between the largest and smallest angles.
A. 29 B. 100 C. 84 D. 116 E. NOTA

T1. Given that $\lfloor x \rfloor$ represents the greatest integer less than or equal to x, find the value of $\lfloor -3.4 \rfloor + \lfloor 17.8 \rfloor$.

T2. If Timothy walks at a constant speed of 10 miles per hour, how long, in minutes, will it take him to walk 10 miles?

T3. Find the sum of the digits in the product of 78 and 93.

T4. Find the sum of the numerator and denominator after the expression $\left(\frac{1}{3}+\frac{1}{6}+\frac{1}{8}\right)^2$ is simplified.