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2019 waec mathematics past questions and answers

Given the scores: $\sqrt{4}$, 7, 8, 11, 13, 8) with corresponding frequencies: $\sqrt{3}$, 5, 2, 7, 2, 1) respectively. Find the square of the mode. WAEC Mathematics Questions and Answers 2021/2022 Objectives and Essay. Get Free likely WAEC Mathematics Expo today. Candidates searching for Official Maths OBJ & Theory Questions and answers. You have every opportunity here to make your WAEC Mathematics exams a huge success. The page equally contains verified Mathematics past questions and answers that are likely WAEC expo/runs for candidates. In addition to the Past and random repeated Mathematics WAEC Questions Paper 1 and 2, the sylvastallone.com team will show you how to attempt the exam questions. The Mathematics answers to questions for WAEC candidates are broken down into layman knowledge. Try as a student to apply every idea in answering the questions presented before you in the Mathematics examination hall. Remember the WAEC Examination Will have Two parts, the Objectives, and the theory Section. The current updates on mathematics answers are not available now. After the WAEC Maths Exams Schedule below, You will have Mathematics Past and Sample objectives questions and answers. Download WAEC Mathematics Objectives Questions and Answers 2021 PDF The WAEC Mathematics Questions are ready for the Exams, The Maths Questions and Answers can be download here, all you need to do is to follow the updates and download it into your device. SEE: WAEC TimeTable Core WAEC Mathematics Exams Schedule 2021: PAPER 1: This will consist of fifty multiple-choice objective questions, drawn from the common areas of the WAEC syllabus, to be answered in just 1½ hours for 50 marks. PAPER 2: will come with thirteen essay questions in two sections – Sections A and B, to be answered in 2½ hours for 100 marks. Candidates will be required to answer ten questions in all Mathematics WAEC Sample past Questions. 1. Find the sum of the first term given that the 2nd and 5th terms of a G.P are 6 and 48 respectively. A. -45B. -17C. 17D. 32E. 45Answer: E (45)2. If $\sin\theta = K$ find $\tan\theta$, $0^\circ \leq \theta \leq 90^\circ$. A. 1-KB. $\frac{k}{1-k^2}$ C. $\frac{k}{1-k^2\sqrt{k^2-k^2}}$ D. $\frac{k}{1-kk}$ -kE. $\frac{k}{1-kk}$ -1Answer: C ($\frac{k}{1-k^2\sqrt{k^2-k^2}}$) See Solution Below: $\sin\theta = k$ $\sin\theta = \frac{k}{1}$ $\implies \frac{k}{1} = \frac{k^2 + \text{adj}^2}{1} = k^2 + \text{adj}^2$ $\implies \frac{k}{1-k^2} = \frac{\text{adj}^2}{1-k^2}$ $\implies \frac{\text{adj}^2}{1-k^2} = \frac{k}{1-k^2}$ $\implies \frac{\text{adj}^2}{1-k^2} = \frac{k}{1-k^2}$ $\implies \frac{\text{adj}}{1-k^2} = \frac{k}{1-k^2}$ $\implies \text{adj} = k$ $\implies \tan\theta = \frac{k}{1-k^2}$ 3. Find the 8th term of the A.P -3, -1, 1, ... A. 14B. 11C. -9D. -11E. -18Answer: B (11) Crosscheck the answer below: Un = a + (n-1)d = -3 + (8-1)2 = 11 The Waec mathematics 2021 questions and answers have been released. The West African Examination Council (WAEC) General Mathematics essay and objective paper for GCE will now be written on Thursday, 14th May 2021. The WAEC Maths 2 (Essay) paper will start by 8:30 am and will last for 2hrs 30mins while the Waec Mathematics 1 (Objective) exam will commence at 2:00 pm and will last for 1hr 30mins. In this post, you will be seeing the WAEC Maths questions and answers 2021 for candidates that will participate in the examination from past questions. The questions and answers below on WAEC Mathematics have been provided to assist candidates to understand the required standards expected in WAEC Mathematics Examination. There is nothing Waec mathematics expo 2021 online. 2021 WAEC GCE Mathematics Question and Answer. PAPER 2 [Essay] Answer any ... questions. Write your answers on the answer booklet provided. 1. A sector of a circle with a radius of 21 cm has an area of 280 cm². (a) Calculate, correct to 1 decimal place, the perimeter of the sector. (b) If the sector is bent such that its straight edges coincide to form a cone, calculate, correct to the nearest degree, the vertical angle of the cone. [Take $\pi = 22/7$] 2. (a) Solve the equation: (b) In the diagram, $\angle STQ = m$, $\angle TUQ = 80^\circ$, $\angle UPQ = r$, $\angle PQU = n$ and $\angle RQT = 88^\circ$. Find the value of (m + n). 3. A = {2, 4, 6, 8}, B = {2, 3, 7, 9} and C = {x: $3 \leq x < 4$, $x < 7/4$, $x > 7/4$, $7x < 4$, $-4x < 7$, 9}. Some red balls were put in a basket containing 12 white balls and 16 blue balls. If the probability of picking a red ball from the basket is 3/7, how many red balls were introduced? A. 13 B. 20 C. 12 D. 21 10. Convert 12314 to a number in base 6. A. 1056 B. 3016 C. 1036 D. 5016 11. Find the slope of the curve $y = 3x^3 + 5x^2 - 3$ at (-1, 5). A. 1 B. -1 C. 19 D. -19 12. Find the area of the region bounded by $y = x^2 + x - 2$ and x-axis. A. 9/2 B. -39/6 C. 8/3 D. 16/3 13. The minimum value of $y = x^2 - 4x - 5$ is _____. A. 2 B. -2 C. 13 D. -13 14. There are 8 boys and 4 girls in a lift. What is the probability that the first person who steps out of the lift will be a boy? A. 3/4 B. 1/3 C. 2/3 D. 1/4 15. H varies directly as p and inversely as the square of y. If H = 1, p = 8 and y = 2, find H in terms of p and y. A. $H = \frac{p}{4y^2}$ B. $H = \frac{2p}{y^2}$ C. $H = \frac{p}{2y^2}$ D. $H = \frac{p}{y^2}$ 16. Solve $4x^2 - 16x + 15 = 0$. X = 1 (1/2) or X = -2 (1/2) B. X = 1 (1/2) or X = 2 (1/2) C. X = 1 (1/2) or X = -1 (1/2) D. X = -1 (1/2) or X = -2 (1/2) 17. If $(0.25)^y = 32$, find the value of y. A. y = -5/2 B. y = -3/2 C. y = 3/2 D. y = 5/2 18. Simplify: $\log 6 - 3\log 3 + 2/3\log 27$. A. $3\log 2$ B. $\log 2$ C. $\log 3$ D. $2\log 3$ 19. Bala sold an article for 6,900.00 nairas and made a profit of 15 percent. Calculate his percentage profit if he had sold for 6600.00. A. 5 percent B. 10 percent C. 12 percent D. 13 percent 20. If $3P = 4Q$ and $9P = 8Q$, find the value of P/Q. A. 12 B. 7 C. -7 D. -12 21. Evaluate 0.42 divided by 2.5 / 0.5 x 2.05, leaving the answer in standard form. A. 1.639×10^2 B. 1.639×10^1 C. 1.639×10^{-1} D. 1.639×10^{-2} 22. A husband contributes 7% of his income into a fund and his wife contributes 4% of her income. If the husband earns N5,500 per annum (p.a) and his wife earns N4,000 p.a, find the sum of their contribution to the fund. A. N1,045 B. N605 C. N545 D. N490 23. If the children share N10.50K among themselves in the ratio 6:7:8, How much is the largest share? A. N3.00 B. N3.50 C. N4.00 D. N4.50 24. A trader makes a loss of 15% when selling an article. Find the ratio, selling price: cost price. A. 3:20 B. 3:17 C. 17:20 D. 20:23 25. The ages of three men are in the ratio 3:4:5. If the difference between the ages of the oldest and youngest is 18 years, find the sum of the ages of the three men. A. 45 years B. 72 years C. 108 years D. 216 years 26. A bicycle wheel of a radius of 42cm is rolled over a distance of 66m. How many revolutions does it make? [Take $\pi = 22/7$] A. 2.5 B. 5 C. 25 D. 50 27. If $2x : (x+1) = 3:2$, what is the value of x? A. 1/2 B. 1 C. 1 1/2 D. 3 28. What is the probability of having an odd number in a single toss of a fair die? A. 1/6 B. 1/3 C. 1/2 C. 2/3 29. PS: Once again, there is nothing like the WAEC maths expo. Do not fall victim to scammers online trying to obtain money from you with fake promises of having access to a live question paper before the exam. What we have on this page are likely exam questions from waec maths past questions and answers to serve as a revision guide. Keep following, more questions and answers will be added soon. Spread the love - Share this with your friends

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