Click to verify

1.Tick () the correct answer.The author's father was a The children's father had brought the rabbit home because he wanted to make them happy.he knew it needed help to survive its mother's death.The children's mother did not want the rabbit in the house because she was sure it would destroy her things.she was sure it would die.The children's mother hated the rabbit and wanted nothing to do with it.contributed to the care of the rabbit. even though she disliked it.The author had more than one sibling.was an only child.2.We felt once that he had something to tell us.Who is the author referring to?What made the author and the others feel he had something to tell them?What wasthe 'something'? What reaction did it meet with?3.It was like a tiny dark cloud.What is the author referring to?Why is 'it' like a 'darkcloud'?How did others react to this darkness?4.He sat bright-eyed, moving his nose and looking at me while not looking at me.What impression of 'him' does this line give you?Why do you think it took 'him' so long to accept life with the author's family?What reason could have been there for 'him' to finally give in and accept 'his' new life?5.Discuss the impact that arrival of the wild rabbit had on-the author's fatherthe author's motherthe author and his siblings.6.What must the rabbit's thoughts have been about his new life? Do you think it live a long life with the author and his family? 2 more answer(s) available. We Accept All Major Debit & Credit Cards25992 Students Helped in ACT Numerade has a great goal - to increase people's educational levels all around the world. Educators do not complete student's personal homework tasks. We create video tutorials that may be used for many years in the future. Dr. Mei Lin Chen PhD in ACT Character comparisonHigh SchoolLanguageEnglishAnalyzing the author's use of figurative language to describe a character's actions.Page 2Page 3Page 4Khulafa' RasyidinHigh SchoolArts & HumanitiesHistoryPemahaman tentang pencapaian pemerintahan Khulafa' ar-Rasyidin.Page 5 Middle SchoolGeneral StudiesOther .Page 6Leadership QualitiesHigh SchoolSocial ScienceSociologyAssesses understanding of leadership characteristics, ethical behavior, and social influence.Page 7India-ASEAN RelationsUndergraduateSocial SciencePolitical ScienceThis response analyzes the relationship between India and ASEAN, covering historical context, development, and economic impact.Page 8Matching: Understand the definitions of the terms in Column A and find the corresponding descriptions in Column B.Tax Collection Institution: Recall the name of the South African institution responsible for tax collection.Annual Taxable Income: Multiply the monthly taxable income by 12 to find the annual taxable income.Tax Threshold Verification: Use the given tax table and rebates to verify the tax threshold for the specified age group. This involves calculating the annual tax liability and checking if it's zero at the given threshold.Monthly Tax Percentage: Calculate the annual tax using the tax table, divide by 12 to get the monthly tax, and then calculate the percentage of the monthly tax relative to the monthly taxable income. 1.1.1 Rebate: E. Amount of money that is paid back to every taxpayer.1.1.2 Tax Threshold: C. Income level at which a person begins to pay tax.1.1.3 Surplus: B. Extra money that is left after paying expenses.1.1.4 Nett salary: A. Salary after deductions1.1.5 Pension fund: D. A fund which pays which pays out sum of money when a member retires.Step 2: Name of the Institution1.2.1 The institution responsible for collecting tax in South Africa is the South African Revenue Service (SARS).Step 3: Calculate Mrs. Itumeleng's Annual Taxable Income1.2.2 Mrs. Itumeleng's monthly taxable income is R37 112.Annual taxable income = Monthly taxable income 12Annual taxable income = R37 112 12 = R445 344Step 4: Show that the tax threshold for age 65 to 75 years in the table is CORRECT.1.2.3 The tax threshold for age 65 to below 75 is R141 250. The primary rebate is R16 425 and the secondary rebate is R9 000. The total rebate is R16 425 + R9 000 = R25 425.Taxable income: R141 250Tax bracket: R0 - R226 000, so the tax rate is 18%.Tax before rebates: 18% of R141 250 = 0.18 * R141 250 = R25 425Tax after rebates: R25 425 - R25 425 = R0This confirms that the tax threshold for age 65 to 75 years is correct, as the tax liability is zero at this income level.Step 5: Determine her monthly tax as a percentage of her monthly taxable income.1.2.4 Mrs. Itumeleng is 40 years old, so she only qualifies for the primary rebate of R16 425. Her annual taxable income is R445 344.Tax bracket: R353 101 - R488 700Annual tax = R73 726 + 31% of (R445 344 - R353 100)Annual tax = R73 726 + 0.31 * (R92 244)Annual tax = R73 726 + R28 600 = R102 326Annual tax after rebate = R102 326 - R16 425 = R85 901Monthly tax = R85 901 / 12 = R7 158.42Monthly taxable income = R37 112Percentage of monthly tax to monthly taxable income = (Monthly tax / Monthly taxable income) * 100Percentage = (R7 158.42 / R37 112) * 100 = 19.29%Final Answer1.1.1 E1.1.2 C1.1.3 B1.1.4 A1.1.5 D1.2.1 South African Revenue Service (SARS)1.2.2 R445 3441.2.3See Full AnswerPage 9QuestionTch phnHigh SchoolMathCalculusTnh ton tch phn xc nh bng cch s dng cc tnh cht c bn ca tch phn.1 Answer### tng gii quyt vn 1. **Tnh cht ca tch phn xc nh:** $\int_{a}^{b} f(x) dx + \int_{b}^{c} f(x) dx = \int_{a}^{c} f(x) dx$2. **p dng tnh cht:** Ta c th s dng tnh cht trn $\int_{0}^{3} f(x) dx$ t cc tch phn cho. ### Cc bc tnh ton#### Bc 1: p dng tnh cht ca tch phn xc nhTa c:$\int_{0}^{3} f(x) dx + \int_{3}^{4} f(x) dx = \int_{0}^{4} f(x) dx$ #### Bc 2: Thay th cc gi tr choThay cc gi tr cho vo phng trnh trn:$\int_{0}^{3} f(x) dx + 7 = 4$ #### Bc 3: Gii phng trnh tm $\int_{0}^{3} f(x) dx$$\int_{0}^{3} f(x) dx = 4 - 7$$\int_{0}^{3} f(x) dx = -3$ ### p n cui cng$\int_{0}^{3} f(x) dx = -3$ ### im ni bt- Tnh cht ca tch phn xc nh l cha kha gii quyt bi ton ny.- Cn cn thn vi du khi thc hin cc php tnh.See Full AnswerOpen in AppAnswered Mar 20 at 14:00 (Basic Model) Want a more accurate answer?We bring the world's top AI models our Super AI, OpenAI o1, Claude 3.5, GPT-4o, Gemini 2.0 together in one place. Pick one and see how it solves your question!Page 10Reported SpeechHigh SchoolLanguageEnglishTransforming direct speech into indirect speech, focusing on changes in tense and pronouns.Page 11Simple Past 'to be'Elementary SchoolLanguageEnglishPractice using 'was' and 'were' in the simple past tense.Page 12Question..High SchoolMathAlgebra (..) .1 Answer! , .. : ### 1. **.. ( ) :** .. .2. **:** .. .3. ** :** , .4. ** :** .-- . ### #### 1: . * $x^2 - 1 = (x - 1)(x + 1)$ ($a^2 - b^2 = (a - b)(a + b)$)* $(x - 1)^2 = (x - 1)(x - 1)$ #### 2: . * $(x - 1)$. $(x - 1)$- 2 ($(x - 1)^2$). #### 3: ..- , ..- . * .. = $(x - 1)^2 (x + 1) = (x - 1)(x - 1)(x + 1) = (x - 1)(x^2 - 1)$ ### (B) $(x - 1)(x^2 - 1)$. ### * .. .* ..- .* .See Full AnswerOpen in AppAnswered Mar 20 at 14:00 (Basic Model) Want a more accurate answer?We bring the world's top AI models our Super AI, OpenAI o1, Claude 3.5, GPT-4o, Gemini 2.0 together in one place. Pick one and see how it solves your question!Page 13, High SchoolLanguageEnglish .Page 14QuestionPerimeter calculationMiddle SchoolMathAlgebraCalculating the perimeter of a shape with unknown side lengths represented by variables.1 AnswerPerimeter of a polygon: The perimeter is the sum of the lengths of all sides.Identifying all sides: We need to determine the lengths of all sides of the given figure in terms of x.Setting up the equation: We will sum all the side lengths and set the sum equal to the given perimeter.Solving for x: We will solve the resulting equation for x. The given sides are 2x - 2, x, and x + 2. We need to find the lengths of the other two sides.The horizontal side at the top is equal to the sum of the bottom side and the small horizontal segment. So, the top side is (x + 2) + x = 2x + 2.The vertical side on the right is equal to the sum of the left side and the small vertical segment. So, the right side is (2x - 2) + x = 3x - 2.Step 2: Set up the equation for the perimeter.The perimeter is the sum of all sides: (2x - 2) + x + (x + 2) + (3x - 2) + (2x + 2) = 40Step 3: Simplify and solve for x.Combine like terms:2x + x + x + 3x + 2x - 2 + 2 - 2 + 2 = 409x = 409x - 2 + 2 - 2 + 2 = 409x = 40x = 40/9Final Answerx = 40/9HighlightsIt is important to carefully identify all sides of the figure and express them in terms of x.Combining like terms correctly is crucial for solving the equation.Double-checking the calculations helps to avoid errors.See Full AnswerOpen in AppAnswered Mar 20 at 14:00 (Basic Model) Want a more accurate answer?We bring the world's top AI models our Super AI, OpenAI o1, Claude 3.5, GPT-4o, Gemini 2.0 together in one place. Pick one and see how it solves your question!Page 15Question' Middle SchoolMathAlgebra' .1 Answer### ' 1. ** :** , , .2. ** :** , .3. ** :** ' - (x y) . (, , ,).4. **' :** , , .5. ** :** ' , , . ### #### [1]: ' a) $7x - (2x + 3) = 0$$7x - 2x - 3 = 0$$5x - 3 = 0$$5x = 3$$x = \frac{3}{5} = 0,6$ #### [2]: ') $3(2x - 3) = x + 2$$6x - 9 = x + 2$$6x - x = 2 + 9$$5x = 11$$x = \frac{11}{5} = 2,2$ #### [3]: ') $\frac{x}{3} + \frac{x}{5} = 8$ 15:$15(\frac{x}{3} + \frac{x}{5}) = 15 \cdot 8$$5x + 3x = 120$$8x = 120$$x = \frac{120}{8} = 15$ #### [4]: ') $\frac{3x}{5} = \frac{6 + x}{3}$ 15:$15 \cdot \frac{3x}{5} = 15 \cdot \frac{6 + x}{3}$$9x = 5(6 + x)$$9x = 30 + 5x$$9x - 5x = 30$$4x = 30$$x = \frac{30}{4} = \frac{15}{2} = 7,5$ #### [5]: ') $\frac{y}{3} + \frac{y}{4} = 14$ 12:$12(\frac{y}{3} + \frac{y}{4}) = 12 \cdot 14$$4y + 3y = 168$$7y = 168$$y = \frac{168}{7} = 24$ #### [6]: a) $x = 0,6$) $x = 2,2$ A) $x = 15$ M) $x = 7,5$ O) $y = 24$ . .) $\frac{y}{3} + \frac{y}{4} = 14$$4y + 3y = 168$$7y = 168$$y = \frac{168}{7} = 24$See Full AnswerOpen in AppAnswered Mar 20 at 14:00 (Basic Model) Want a more accurate answer?We bring the world's top AI models our Super AI, OpenAI o1, Claude 3.5, GPT-4o, Gemini 2.0 together in one place. Pick one and see how it solves your question!Page 16Kabir's DevoteeHigh SchoolArts & HumanitiesHistoryIdentifying the religious figure Kabir's object of devotion.Page 17Formal ReportHigh SchoolGeneral StudiesOtherThe student needs to write a report on a formal situation.Page 18Page 19Page 20QuestionComplex NumbersHigh SchoolMathAlgebraFinding the square root of a complex number.1 Answer### Ideas for Solving the Problem1. **Complex Number Square Root:** If $\sqrt{a + bi} = x + iy$, then $a + bi = (x + iy)^2 = x^2 - y^2 + 2ixy$.2. **Equating Real and Imaginary Parts:** We can equate the real and imaginary parts of the equation $a + bi = x^2 - y^2 + 2ixy$ to get two equations: $a = x^2 - y^2$ and $b = 2xy$.3. **Solving the System of Equations:** We can solve the system of equations to find the values of x and y.4. **Alternative Approach:** We can also use the polar form of complex numbers to find the square root. However, for this specific problem, the algebraic approach is more straightforward. ### Calculation Steps#### Step 1: Set up the equationWe are given that $\sqrt{-7 + 24i} = x + iy$. Squaring both sides, we get:$-7 + 24i = (x + iy)^2 = x^2 + 2ixy - y^2 = (x^2 - y^2) + 2ixy$. #### Step 2: Equate real and imaginary partsEquating the real and imaginary parts, we have:$x^2 - y^2 = -7$ (1)$2xy = 24$, which simplifies to $xy = 12$ (2) #### Step 3: Solve for y in terms of xFrom equation (2), we have $y = \frac{12}{x}$. #### Step 4: Substitute y into equation (1)Substituting $y = \frac{12}{x}$ into equation (1), we get:$x^2 - \left(\frac{12}{x}\right)^2 = -7$$x^2 - \frac{144}{x^2} = -7$Multiplying by x^2, we get:$x^4 - 144 = -7x^2$$x^4 + 7x^2 - 144 = 0$ #### Step 5: Solve the quadratic equation for x^2Let $z = x^2$. Then the equation becomes:$z^2 + 7z - 144 = 0$We can factor this quadratic equation as:$(z + 16)(z - 9) = 0$So, $z = -16$ or $z = 9$.Since $z = x^2$, and x is a real number, x^2 must be non-negative. Therefore, $x^2 = 9$. #### Step 6: Solve for xTaking the square root of $x^2 = 9$, we get $x = \pm 3$. ### Final AnswerThe value of x is ± 3. ### Highlights- When finding the square root of a complex number, remember to equate both the real and imaginary parts.- Be careful with signs when solving the resulting system of equations.- Remember that x and y are real numbers.- The correct answer is option 3.See Full AnswerOpen in AppAnswered Mar 20 at 14:00 (Basic Model) Want a more accurate answer?We bring the world's top AI models our Super AI, OpenAI o1, Claude 3.5, GPT-4o, Gemini 2.0 together in one place. Pick one and see how it solves your question!Page 21Superlative AdjectivesElementary SchoolLanguageEnglishUsing superlative adjectives to compare three or more things.Page 22Global Governance SourcesHigh SchoolSocial SciencePolitical ScienceIdentifies entities involved in global governance.Page 23Tentu, mari kita pecahkan soal ini.Ide untuk Menyelesaikan MasalahMencari Pola: Kita perlu mencari pola atau hubungan antara angka-angka di setiap baris untuk menentukan nilai y.Operasi Matematika: Pola tersebut mungkin melibatkan operasi matematika dasar seperti penjumlahan, pengurangan, perkalian, atau pembagian.Membandingkan Baris: Kita akan membandingkan baris pertama dan kedua untuk melihat apakah ada hubungan yang konsisten yang dapat diterapkan pada baris ketiga.Langkah-Langkah PerhitunganLangkah 1: Analisis Baris PertamaPerhatikan baris pertama: 3/4, 1/2, 3/2, 3. Mari kita coba mencari hubungan antara tiga angka pertama untuk mendapatkan angka keempat.Jika kita menjumlahkan tiga angka pertama:3/4 + 1/2 + 3/2 = 3/4 + 2/4 + 6/4 = 11/4Ini tidak sama dengan 3. Mari kita coba perkalian dan pembagian.Langkah 2: Analisis Baris KeduaPerhatikan baris kedua: 5/9, 1/3, 2/3, 21/9.Jika kita menjumlahkan tiga angka pertama:5/9 + 1/3 + 2/3 = 5/9 + 3/9 + 6/9 = 14/9Ini juga tidak sama dengan 21/9.Langkah 3: Mencari Pola yang BerbedaMari kita coba pola lain. Perhatikan bahwa: (3/4) / (1/2) = (3/4) * (2/1) = 6/4 = 3/2Kemudian, (3/2) + (3/2) = 3Untuk baris kedua:(5/9) / (1/3) = (5/9) * (3/1) = 15/9 = 5/3Kemudian, (5/3) + (2/3) = 7/3 = 21/9Langkah 4: Menerapkan Pola ke Baris KetigaSekarang kita terapkan pola ini ke baris ketiga: 7/4, 2/3, 3/4, y(7/4) / (2/3) = (7/4) * (3/2) = 21/8Kemudian, (21/8) + (3/4) = (21/8) + (6/8) = 27/8Jadi, y = 27/8Langkah 5: Memeriksa Pilihan JawabanKita perlu memeriksa apakah 27/8 sesuai dengan salah satu pilihan jawaban. Pilihan jawaban yang diberikan adalah:A. 3/4B. 8/9C. 21/7 = 3D. 5/9E. 5/12Tidak ada pilihan jawaban yang sesuai dengan 27/8. Namun, mari kita periksa kembali perhitungan kita.Langkah 6: Koreksi dan Analisis UlangPola yang kita temukan adalah: (a/b) / (c/d) + e/f = hasilBaris 1: (3/4) / (1/2) + 3/2 = 3/2 + 3/2 = 3Baris 2: (5/9) / (1/3) + 2/3 = 5/3 + 2/3 = 7/3 = 21/9Baris 3: (7/4) / (2/3) + 3/4 = 21/8 + 6/8 = 27/8Karena tidak ada jawaban yang cocok, mari kita coba pendekatan lain. Mungkin ada kesalahan dalam soal atau pilihan jawaban.Mari kita coba menjumlahkan tiga angka pertama dan mencari faktor skala untuk mendapatkan angka keempat.Baris 1: 3/4 + 1/2 + 3/2 = 11/4. (11/4) * (12/11) = 33/11 = 3 (Faktor skala 12/11)Baris 2: 5/9 + 1/3 + 2/3 = 14/9. (14/9) * (2/3) = 7/3 = 21/9 (Faktor skala 3/2)Pola ini tidak konsisten.Langkah 7See Full AnswerPage 24Probability of an event: The probability of an event is the number of favorable outcomes divided by the total number of possible outcomes.Expected value: The expected value of a game is the sum of the products of each outcome and its probability. E = (outcome * probability).Total expected winnings/losses: The total expected winnings/losses over multiple games is the expected value of a single game multiplied by the number of games played. The possible outcomes of three coin tosses are: HHH, HHT, HTH, THH, HTT, THT, TTH, TTT. There are 8 possible outcomes in total.The outcomes with exactly one head are: HTT, THT, TTH. There are 3 such outcomes.Therefore, the probability of getting exactly one head is 3/8.The probability of not getting exactly one head is 1 - (3/8) = 5/8.Step 2: Calculate the expected value of the proposition.If you get exactly one head, you win $67. The probability of this is 3/8.If you don't get exactly one head, you lose $36. The probability of this is 5/8.The expected value is:E = (67 * (3/8)) + (-36 * (5/8))E = (201/8) - (180/8)E = 21/8E = 2.625Rounding to two decimal places, the expected value is $2.63.Step 3: Calculate the expected winnings/losses after 872 games.The expected value of one game is $2.625.If you play 872 games, the expected winnings/losses are:Total Expected Value = 872 * 2.625 = 2289Rounding to two decimal places, the expected winnings are $2289.00.Final AnswerStep 1 Answer: $2.63Step 2 Answer: $2289.00HighlightsThe expected value represents the average outcome if the game is played many times.A positive expected value means you are expected to win money in the long run, while a negative expected value means you are expected to lose money.Rounding should be done at the end of the calculation to maintain accuracy.See Full AnswerPage 25Properties of a Regular Hexagon: A regular hexagon can be divided into six equilateral triangles. The center of the hexagon is equidistant from each vertex.Angles in an Equilateral Triangle: Each angle in an equilateral triangle is 60 degrees.Properties of Right Triangles: The sum of angles in a triangle is 180 degrees. We can use trigonometric ratios (SOH CAH TOA) if needed.Area of a Triangle: Area = (1/2) * base * height.Area of a Regular Hexagon: Area = (33 / 2) * side^2, or 6 times the area of one of the equilateral triangles. Since ABCDEF is a regular hexagon, triangle AGB is an equilateral triangle.Therefore, AGB = 60 degrees.AH is perpendicular to GH, so triangle AHG is a right triangle.GAH is half of GAB, so GAH = 60/2 = 30 degrees.AGH = 90 - 30 = 60 degrees.Step 2: Find lengths AH and GHAH is half the length of AB. Since AB = 6m, AH = 6/2 = 3m.In right triangle AHG, we can use trigonometry to find GH.tan(GAH) = GH/AHtan(30) = GH/3GH = 3 * tan(30) = 3 * (1/3) = 3 meters.Alternatively, since AGB is an equilateral triangle with side 6, the height GH can be found using the Pythagorean theorem on triangle AHG:AG^2 = AH^2 + GH^26^2 = 3^2 + GH^236 = 9 + GH^2GH^2 = 27GH = 27 = 33 meters.Step 3: Find the area of triangle AGBSince AGB is an equilateral triangle with side 6m, its area can be calculated as:Area = (3 / 4) * side^2 = (3 / 4) * 6^2 = (3 / 4) * 36 = 93 m^2.Alternatively, we can use the formula Area = (1/2) * base * height.Area = (1/2) * AB * GH = (1/2) * 6 * 33 = 93 m^2.Step 4: Find the area of the hexagonal roofThe area of the regular hexagon is 6 times the area of triangle AGB.Area = 6 * 93 = 543 m^2.Alternatively, using the formula Area = (33 / 2) * side^2:Area = (33 / 2) * 6^2 = (33 / 2) * 36 = 33 * 18 = 543 m^2.Final Answera) Angles AGB = 60 degrees, AGH = 60 degrees.b) Lengths AH = 3 meters, GH = 33 meters.c) The area of triangle AGB = 93 m^2.d) Area of the hexagonal roof = 543 m^2.HighlightsUnderstanding the properties of regular hexagons and equilateral triangles is crucial.Using the correct trigonometric ratios or the Pythagorean theorem is important for finding lengths.The area formulas for triangles and regular hexagons are essential for calculating areas.Be careful with units and ensure consistency throughout the calculations.See Full AnswerPage 26Reactor TypesUndergraduateScienceEngineeringCompares and contrasts plug flow and mixed flow reactors, focusing on their operational differences.a. Farmer b. Minera. He wanted to make them happy b. He knew it needed help to survive its mothers death.a. She was sure it would destroy her things b. She was sure it would die.a. Had more than one sibling. b. Was an only child.a. Hated the rabbit and wanted nothing to do with it. b. Contributed to the care of the rabbit, even though she disliked it.We felt at once that he had something to tell us.Answer: The author is referring to his father.Answer: The authors father habit was to go to bed as soon he comes from work but that day instead, he entered the kitchen, which made the author feel that he had something to tell.Answer: The something was a little wild rabbit. The children loved it, but their mother was against it.It was like a tiny dark cloud.Answer: The author is referring to the little wild rabbit.Answer: The rabbit was like a tiny, dark cloud as it sat there unmoving and refusing to eat.Answer: The children were distraught as they knew that it would die if it continued to be stubborn and not feed. The mother was angry that it refused to move past its confusion and seemed to sulk its life away. So, these were A Wild Little Thing Questions & Answers.0 ratings0% found this document useful (0 votes)80 viewsThe document presents a series of questions and answers related to the story 'A Wild Little Thing,' focusing on the author's family dynamics and their experience with a wild rabbit. It highlSaveSave A Wild Little Thing For Later0%0% found this document useful, undefinedYou can make payment via directly. To know how to make payment for your solutions package give us a call/WhatsApp at +91-9830783589.

Synopsis wild things. Summary of the wild things are.