Gcse algebra questions pdf

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Solve the following linear equations that clearly show each step of your work. (a) (frak{6} x 24). (b) 11x - 5 x 9 (x 9). Worked solution Chart shows triangle isoceles (not drawn to scale). ABC Corner - corner ACB, AB (3x-8) and AC (5x-7). Use the algebraic method to find value (x). Worked the solution Charts show a triangle and a rectangle (does not address the scale). The area of the rectangle is six times the size of the triangle area. Find the value (x) Worked the solution triangle perimeter of the same length as the perimeter of the square. Find an expression of the length of one side of the square in terms of. Give your answer in its simplest form. The solution of Aimee, Natasha and Ruby to play hockey worked. Aimee scored 6 more goals than Natasha. Rubin scored five more goals than Aimee. If in total they scored 35 goals, how many goals did they score? Worked tackling Luke, Leia and Khan to swim the length of the pool to raise money for charity. Luke swims 20 lengths longer than Han Leia swims twice as many lengths as Han Altogether they swim 232 lengths. How long did each person swim? Worked Solution Two rectangles, does not address the scale shown below. All measurements are in centimeters. Both rectangles have the same areas. Work out the perimeter of the rectangle on the left. Worked the solution Area rectangle P'RS (not scale) is 80cm2. a) Show that x 2 x 14x and 40). (b) Find x (x) by giving the correct answer to three meaningful numbers. Working Solution Show That You Understand Equations and Inequality by Answering the following questions: (a) Solve (5x'2'80) (b) Solve (8x 2'gt x) (c) Write down the biggest integrator, which satisfies (1 8x - 2 'lt 25' (d) Solve the next pair of equations $$3x - 5y - 21$$$8x - 5y - $$ Worked Solution Circle drawn inside the square so that it touches all four sides of the square. a) If the sides of the square are length are and the area of the red shaded area is 2 mm. k'2$$ (b) Make (k) the subject of the formula (4A'4k'2-'pi k'2)Worked Solution One is added to the product of two consecutive positive even numbers. Show that the result is a square number. The solution (a) to simplify the following expression worked. $$$4'3x'2 and $14'$$(b) Make b the subject of the next formula. At Frak School, 7 (3b-c) and B$$Worked at Ritzelzeit School for an annual sports day, where math teachers are responsible for the scoring system. Points, having gained for throwing a disk, will work on the formula: $$p and 15 (d - 4.2)$$, where the number of points scored when throwing a disk at a distance of 4.2 meters. (a) How many points did Homer score for throwing a 52-meter drive? b) How far did Marge throw the drive if she scored 492 points? Points scored for the 400 meters will be worked out according to the formula: $$p - 6 (95 - t) - 2, where (p) - is the number of points scored when the back time is (t) seconds. (c) Lisa scored 1,014 points for the 400 meters. Work out the time, in a matter of seconds, it took Lisa. The points formula, when it is in the 400 meters race, should not be used for tgt n). (d) Wither the value (n) with the basis for your response. Working Solution Betsy believes that ((3x) is always more than or equal (3x). Show your work to justify your decision To Factorize the following expression $$6x-2-x-15$$$$ Working Solution Given that: $x 2 : (5x No. 3) 1 : $3 Find Possible Values (x). (a) and (b) are integers. $$ (frak-x-4'x-5) - 2 - frak x'1'x'$$ Work out cost (a) and cost (b). Find (w) when (y) 12, showing each step of your work. The worked-solution exam-style questions arising on this site are based on those set in previous exams (or sample evaluation documents for future exams) on major exam boards. The wording, diagrams and numbers used in these questions have been changed from the originals so that students can have a new, relevant problem-solving practice, even if they have previously worked through the relevant exam work. Solutions to the issues on this site are only available to those who have a Transum subscription. Exam-Style Matters Home page To search the entire Transum website use the search box in the gray zone below. 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