New Method to Estimate the Square Roots of a Non-Perfect Square

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In light of the tremendous scientific development, Algebra between science and sustainability has become one of the most important requirements, and in this study, which aims to Estimate the Square Roots of a Non-Perfect Square by using a mathematical model to approximate the square roots. These model which is algorithm required that I make an initial guess for the square root. I then applied a "magic formula" a few times. The magic formula improved my guess and estimated the square root that I sought. The new method employs a similar iterative process to the Babylonian method, refining to Estimate the Square Roots of a Non-Perfect Square.