

An Algorithm to Solve Non-Perfect Square Roots

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This study aims to find a solution to non-perfect square roots. The new Algorithm gives an approximate result by which we can identify the error percentage using the following equation: Error percentage = $\frac{\text{The real value of the root} - \text{Algorithm result}}{\text{The real value of the root}}$. The Algorithm equation is related to the root places. What is important about this Algorithm is that it helps students to save time and effort; moreover, students no longer need a calculator to find a solution to non-perfect square roots.