

Solving $X^3=A$ (A is a positive number)

Abstract

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Most students haven't had the chance to learn how to solve $x^3 = A$ equation without calculator since 1968 (1968 is the beginning year of 9-year-compulsory education).

In fact, solving $x^3 = A$ is not only simple but also important (e.g. getting the solubility from K_{sp} of salt, getting the length of the edge from known volume of the cube, etc.)

By means of a $(a+b)^3$ model which I made, Students will have the geometric concept of $(a+b)^3$, and $x^3 = A$ will be solved easily.



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