Introduction

In the vast landscape of mathematical understanding, algebra stands as the gateway-a key to deciphering the intricate patterns that govern our numerical world. It is the art of translating real-world problems into a language of symbols and equations, unravelling the mysteries that lie beneath the surface of numbers.

Whether you are a student or lighting the early stages of algebraic exploration or a sensoned mathemetican seeking deeper insights, this book is designed to be a companion on your Mathematical voyage. Join us as we unravel the beauty of algebra – a language that speaks to the very essence of mathematical thought and the inherent order of the universe.

This is the first volume and two other volumes will follow in due course.

Fred Nolan is a seasoned mathematician and has a passion for teaching the subject in a way that will make it very easy for just anyone to understand, the book is also a

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Solution

From the rules above, we will choose a letter to represent the number we are looking for, let **X** be that number Four-Fifth of x = 4x5 Two-Third of x = 2x3 4x + 2x = 155 3 Multiply both sides by 15 12x + 10x = 225 rom Notesale.co.uk 22x evie page 9 of 25 Page 9 of 25 X = 225 or 10 5/22 22

Example 2

A woman is three times as old as her daughter. In three years', time she will be two times as old. What are their ages now?

4) a =
$$bxy$$

xy - y²
7) i = gt^{2}
 $4\pi^{2}$
8) f = $16T$

 πd^3

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