

Introduction To
Mathematical Philosophy
Summary

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1 Introduction

This document pretains the summary of *Introduction to Mathematical Philosophy* by **Bertrand Russel**. Important Theories and Highlighted Statements will be included in each section as apart of their respective chapter. Each chapter will also include supplementary research made to add more information.

- 2 The Series of Natural Numbers
- 3 Defintion of Number
- 4 Finitude and Mathematical Induction
- 5 The Defintion of Order
- 6 Kinds of Relations
- 7 Similarity of Relations
- 8 Rational, Real, and Complex Numbers
- 9 Infinite Cardinal Numbers
- 10 Infinite Series Ordinals
- 11 Limits and Continuity
- 12 Limits and Continuity of Functions
- 13 Selections and the Multiplicative Axiom
- 14 The Axiom of Infinity and Logical Types
- 15 Incompatibility and the Theory of Deduction
- 16 Propositional Functions
- 17 Descriptions