

# NUMBER THEORY INTRODUCTION

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"THE ART OF PROBLEM SOLVING VOLUME I" BY SANDOR LEHOCZY  
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TOPIC COVERED IN VIDEOS:

A) DIVISIBILITY OF NUMBERS

B) DIVISIBILITY

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THEORY OF GCD/LCM

- H) TOTAL NUMBER OF FACTORS
- I) UNITS DIGIT
- J) REMAINDER
- K) TRAILING ZEROS
- L) COUNTING MULTIPLES
- M) SUM OF FIRST  $n$  NATURAL NUMBERS
- N) LINEAR DIOPHANTINE EQUATIONS
- O) MODULAR ARITHMETIC
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# Theory Of Numbers An Introduction

**Peipei Pang**



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