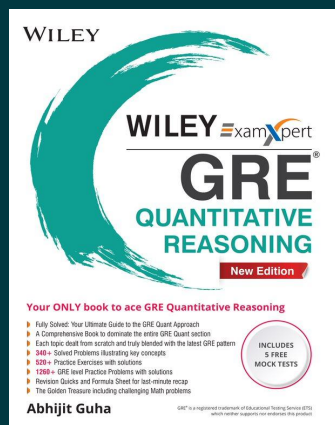




Wiley's ExamXpert GRE Quantitative Reasoning

By Abhijit Guha

Paperback

9789354644481

₹999.00

Description

The book is unique that has all the Math basics along with 1800+ practice problems under a single title. This book is fully solved. It is a self-guide for GRE Quant preparation and is a worthy buy.

About the Author

Abhijit Guha

Abhijit Guha is an expert on Quantitative Aptitude. Over the past 25 years, he has written numerous books on the same. He created a number of shortcuts and tricks during that time which are quite well-liked today. He had also created a method for solving Quantitative Aptitude questions using line diagrams. In the year 2000

Table of Contents

Acknowledgements

Introduction to GRE

Chapter 1 Arithmetic

Part I: Number Properties

1.1 Real Numbers

1.2 Number Line

1.3 Arithmetic Operations

1.4 Divisibility

1.5 Prime Numbers

1.6 Prime Factorisation

1.7 Factors

1.8 Multiples

1.9 Least Common Multiple

1.10 Highest Common Factor (Greatest Common Divisor)

1.11 Division if not Exactly (Remainder Case)

1.12 Sequence of Numbers

1.13 Approximation

1.14 Estimation

1.15 Average

Part II: Fractions

1.16 Introduction to Fraction

1.17 Simplification of Fractions

1.18 Comparing the Fractions

1.19 Solving Word Problems on Fractions

Part III: Decimals

1.20 Introduction to Decimals

1.21 Place Value of a Decimal System

1.22 Decimal Operations

1.23 Terminating and Non-terminating Decimals

Part IV: Exponents and Roots

1.24 Exponents

1.25 Effect of Exponent Increase

1.26 Effect of Increasing Base

1.27 Simplification of Exponential Expression

1.28 Fractional Exponents

1.29 Square Roots

1.30 Rules of Square Root Operation

1.31 Other Roots of a Number

1.32 Operations with Roots

1.33 Type of Roots

Part V: Percents

1.34 Introduction

1.35 Conversion of Percent, Decimal and Fraction

1.36 Finding p% of a Number

1.37 Finding x is What Percent of y

1.38 Percent Increase and Decrease

1.39 Successive Percent

1.40 Percent: More or Less

1.41 Applications of Percent

Part VI: Ratio

1.42 Introduction to Ratio

1.43 Proportion

Part VII: Rates

1.44 Rate and Work

1.45 Efficiency of a Person

1.46 Multiple Workers

1.47 Rate and Distance

1.48 Average Speed

1.49 Relative Speed

1.50 Trains

Chapter 2 Algebra

Part I: Algebraic Expressions

2.1 Introduction

2.2 Operations in Algebraic Expressions

2.3 Factoring an Algebraic Expression

2.4 Evaluating an Algebraic Expression

Part II: Linear and Quadratic Equations

2.5 Introduction

2.6 Linear Equation in One Variable

2.7 Types of Linear Equation

2.8 Linear Equations in Two Variables

2.9 Quadratic Equation

Part III: Linear and Quadratic Inequalities

2.10 Introduction

2.11 Rules for Solving Inequality

2.12 Linear Inequalities

2.13 Quadratic Inequality

Part IV: Algebraic Translation of Word Problems

2.14 Introduction

2.15 Methods of Solving Word Problems

2.16 Writing Equations

2.17 Topics in Word Problems

Part V: Square Roots, Radicals and Exponents

2.18 Square Roots

2.19 Radicals

2.20 Exponents

Part VI: Functions

2.21 Relation

2.22 Function

2.23 Inverse of a Function

2.24 Defined Functions

2.25 Evaluating a Function

2.26 Composition of Functions

Part VII: Co-ordinate Geometry

2.27 xy-Plane and Quadrants

2.28 Distance Between Two Points

2.29 Straight Line

2.30 Parallel and Perpendicular Lines

2.31 Mid-Point Formula

2.32 Area of Triangle

2.33 Graphs of Functions

Chapter 3 Geometry

Part I: Lines and Angles

3.1 Lines

3.2 Angles

3.3 Rules on Lines and Angles

3.4 Matter of Two Angles

3.5 Transversal

Part II: Triangles

3.6 Introduction

3.7 Classification of Triangles

3.8 Rules for Triangle

3.9 Special Right Triangles

3.10 Area and Perimeter of Triangle

3.11 Congruent and Similar Figures

Part III: Quadrilaterals

3.12 Introduction

3.13 Type of Quadrilaterals

3.14 Perimeter and Area

Part IV: Polygons

3.15 Introduction

3.16 Interior Angles

3.17 Exterior Angles

3.18 Regular Polygon

Part V: Circles

3.19 Introduction

3.20 Basic Elements in a Circle

3.21 Angles Inside a Circle

3.22 Important Theorems on Angles Inside a Circle

3.23 Theorems on Two Intersecting Chords

3.24 Tangent

3.25 Sector

3.26 Circumscribed and Inscribed Polygons

Part VI: 3D Solids

3.27 Rectangular Solids (Cuboids)

3.28 Cube

3.29 Cylinder

3.30 Cone

3.31 Pyramid

3.32 Sphere

Chapter 4 Data Analysis

Part I: Descriptive Statistics

4.1 Mean

4.2 Median

4.3 Mode

4.4 Quartile

4.5 Percentile

4.6 Range

4.7 Standard Deviation

Part II: Permutation and Combination

4.8 Basics for GRE

4.9 Fundamental Counting Principle (FCP)

4.10 Permutation

4.11 Combination

Part III: Set Theory and Venn Diagram

4.12 Introduction

4.13 Two Sets

4.14 Venn Diagrams

4.15 Venn Diagram and Word Problems

Part IV: Probability

4.16 Introduction

4.17 Simple Probability (Single Event)

4.18 Compound Probability (For Multiple Events)

4.19 Application of Various Concepts for Calculating Probability

4.20 Conditional Probability

Part V: Data Interpretation

4.21 Introduction to Data Interpretation

4.22 Tables

4.23 Bar Graphs

4.24 Line Graphs

4.25 Pie Graphs

4.26 Scatter Plots

4.27 Histograms

4.28 Normal Distributions

Practice Exercise

Part V

Practice Problems

Answer Key

Answers with Explanations

Mock Tests

Mock Test 1

Mock Test 2

Mock Test 3

Mock Test 4

Mock Test 5

Answer Key

Answers with Explanations

Golden Treasure

Problems

Answer Key

Answers with Explanations

Revision Quicks

Arithmetic

Numbers

Fractions

Divisibility Rules for Natural Numbers

Factors

Roots and Exponents

Decimals

Average

Ratio

Proportion

Variation

Rate

Percent

Profit

Simple Interest

Algebra

Foil
Factoring
Equations
Inequality
Word Problems
Functions
Co-ordinate Geometry
Geometry
Angles
Data Interpretation
Set Theory Formula
Statistics Formula
Permutation Formula
Combination Formula
Probability Formula
Graphs and Tables
Interpretation of Data
Formula Sheet
Arithmetic
Algebra
Geometry
Data Interpretation

To purchase this product, please visit:

<https://www.wileyindia.com/wiley-s-examxpert-gre-quantitative-reasoning.html>



Scan to buy