

The Quality Mathematics

Book 5

© Publishers

Edition First 2013
Second 2014
Third 2015

Publishers: **Buddha Academic Publishers and Distributors Pvt. Ltd.**
Kathmandu, Nepal.

Distributors: **Buddha Academic Enterprises Pvt. Ltd.**
GPO Box 20195
Anamnagar - 32, Kathmandu, Nepal
Tel. 00977-1- 4269165, 4241247, 4259210
Fax: 00977-1-4218077
e-mail: buddha@wlink.com.np
www.buddhapublication.com

Illustration: **Devendra Thumkeli**
Narayan Prasad Bohaju

Design by: **Dipendra Shrestha**
Rajani Shrestha

ISBN: 978-9937-30-263-0

Printed in Nepal

CONTENTS

CHAPTER ONE

Geometry

1.1	Review of Concepts	2
1.2	Measurement of Angles	7
1.3	Classification of Triangles	14
1.4	Sum of Interior Angles of a Triangle	19
1.5	Measurement of Interior Angles of a Quadrilateral	23

CHAPTER TWO

Number System

2.1	Hindu Arabic Numeration System	30
2.2	Rounding Off of Numbers	38
2.3	Prime Factorisation	43
2.4	Square and Square Root	48
2.5	Cubes and Cube Roots	53

CHAPTER THREE

Basic Operations

3.1	Problems on Addition and Subtraction	60
3.2	Problems on Multiplication and Division	65
3.3	Simplification	69

CHAPTER FOUR

Time

4.1	Time	78
4.2	Money	93
4.3	Distance	99

CHAPTER FIVE

Perimeter, Area and Volume

5.1	Perimeter and Area	108
5.2	Area of Rectangle and a Square	114
5.3	Capacity (Litres and Milimeters)	123
5.4	Volume	128
5.5	Weight: Kilogram and Grams	134

CHAPTER SIX

Fractions and Decimals

6.1	Reviews of Fractions	144
6.2	Mixed and Improper Fractions	149
6.3	Multiplication of Fractions	156
6.4	Addition and Subtraction of Decimal	165
6.5	Multiplication of Decimals	169
6.6	Division of Decimals	174
6.7	Rounding Off of Decimals	180

CHAPTER SEVEN

Percentage, Unitary Method and Simple Interest

7.1	Percentage	186
7.2	Unitary Method	192
7.3	Time and Work	195
7.4	Simple Interest	197

CHAPTER EIGHT

Graph, Charts, Bill and Budget

8.1	Bar Graph	204
8.2	Ordered pairs	210