

RAPID ARITHMETIC

MODULE 1

ABOUT THE COURSE

CHAPTER-1.1

1 What is Rapid Arithmetic?

2 ABOUT THE INSTRUCTOR

3 HOW TO USE THE COURSE

MODULE 2

MULTIPLICATION

CHAPTER-2.1

1 Introduction

2 BASE 10

3 BASE 100

4 BASE 1000

5 BASE 10000

CHAPTER-2.2

6 Above BASE 10

7 Above BASE 100

8 Above BASE 1000

9 Above BASE 10000

CHAPTER-2.3

8 Above and Below BASE 10

9 Above and Below BASE 100

10 Above and Below BASE 1000

11 Above and Below BASE 10000

CHAPTER-2.4

12 OTHER BASES

20

30

40

50

CHAPTER-2.5

13 BASE RATIOS

10

100

1000

MODULE 3

MULTIPLICATION USING CRISS-CROSS METHOD

CHAPTER-3.1

- 1 Introduction
- 2 2 digit X 2 digit
- 3 3 digit X 3 digit
- 4 3 digit X 2 digit

CHAPTER-3.2

- 1 Introduction
- 2 Square of 2 digit number
- 3 Square of 3 digit number

MODULE 4

ADDITION

CHAPTER-4.1

- 1 Introduction
- 2 Addition of 2 digit numbers
- 3 Addition of 3 digit numbers
- 4 Addition the Vedic way
- 5 Checking the accuracy
- 6 Popping out Nines

MODULE 5

SUBTRACTION

CHAPTER - 5.1

- 1 Introduction
- 2 Lets learn Complements
- 3 Left to Right subtraction - Abacus method
- 4 Tips and tricks –
 - 1) Using nearest 10s
 - 2) Checking the accuracy
 - 3) Using complements

MODULE 6

DIVISION

CHAPTER - 6.1

- 1 Introduction
- 2 Division by a 1 digit (from speed math)
- 3 Division by 2 digit number using Vedic method
- 4 Division of decimal numbers
- 5 Division using a Base

MODULE 7

SUM OF THE DIGITS

CHAPTER - 7.1

- 1 Introduction
- 2 Check Additions
- 3 Check Subtractions
- 4 Check Multiplications
- 5 Check Divisions

MODULE 8

DIVISIBILITY CHECK

CHAPTER - 8.1

- 1 Introduction
- 2 Divisibility by 2
- 3 Divisibility by 3
- 4 Divisibility by 4
- 5 Divisibility by 5

6 Divisibility by 6

7 Divisibility by 7

8 Divisibility by 8

9 Divisibility by 9

CHAPTER - 8.2

1 Using Chaser