FIVE STONES ABACUS

ABACUS SYLLAVBUS: LEVEL 1: Level 1 focuses on children learning numbers. Understanding place value. Knowing the abacus tool. Finger abacus.

CHAPTER 1	INTRODUCTION • Types of Abacus tool • Parts of the Abacus
CHAPTER 2	PLACE VALUE ON TOOL • Learning place value • Place value on tool
CHAPTER 3	REPRESENTION OF NUMBERS FROM 1 TO 9 ON ABACUS TOOL • Numbers from 1 to 5 on tool • Small Boss • Numbers from 6 to 9
CHAPTER 4	MAGICAL FINGERS • Right hand representation • Left hand representation • Counting with both hands
CHAPTER 5	REPERSENTION OF TWO DIGIT NUMBERS ON ABACUS • Representation of 10 • Big boss • Representation of numbers till 30 on tool
CHAPTER 6	SMALL FRIENDS • Small boss • Small friends of 1, 2, 3, 4 • Rules of addition
CHAPTER 7	BIG FRIENDS • Big boss • Big friends of 1, 2, 3, 4, 5, 6, 7, 8, 9 • Rules of subtraction
CHAPTER 8	ADDITION USING MAGICAL FINGERS • Adding one digit numbers • Addition of one and two digit numbers • Addition of two and two digit numbers
CHAPTER 9	SUBTRACTION USING MAGICAL FINGERS • Subtraction of one digit numbers • Subtraction of one digit with two digit numbers • Subtraction of two digit with two digit numbers

LEVEL 2: Level 2 children learn representation of numbers on abacus tool. Addition and subtraction on abacus tool

CHAPTER 1	REPERESENTATION OF THREE DIGIT NUMBERS ON ABACUS TOOL • Representing 100 on abacus tool • Representing multiplies of 10 on abacus tool • Representing numbers till 999 on abacus tool
CHAPTER 2	SMALL FRIENDS • Rule of adding 1, 2, 3, 4 to a number • Rules of subtracting 1, 2, 3, 4 from a number
CHAPTER 3	BIG FRIENDS • Rules of adding 5, 6, 7, 8, 9 to a number • Rules of subtracting 5, 6, 7, 8, 9, from a number
CHAPTER 4	ADDITION USING SMALL FRIENDS ON ABACUS TOOL • Adding one digit numbers with one digit number • Adding two digit number with one digit number • Adding two digit number with two digit number
CHAPTER 5	SUBTRACTION USING SMALL FRIENDS ON ABACUS TOOL • Subtraction of one digit numbers with one digit number • Subtracting one digit number from two digit number • Subtracting two digit number from two digit number
CHAPTER 6	ADDITION USING BIG FRIENDS ON ABACUS TOOL • Addition of two digit numbers with carry
CHAPTER 7	SUBTRACTION USING BIG FRIENDS ON ABACUS TOOL • Subtraction of two digit numbers with borrowing
CHAPTER 8	ADDITION AND SUBTRACITON USING SMALL FRIENDS • Mixed operation with sums doing both addition and subtraction using small friends
CHAPETER 9	ADDITION AND SUBTRACTION USING BIG FRIENDS • Mixed operation with sums doing both addition and subtraction using big friends

LEVEL 3: Level 3 focuses on Children doing arithmetic operation of big numbers on abacus tool. Multiplication is introduced

CHAPTER 1	ADDITION USING SMALL FRIENDS AND BIG FRIENDS OF THREE DIGITS • Addition of two digit numbers and three digit numbers • Addition of three digit numbers with three digit numbers
CHAPTER 2	SUBTRACTION USING SMALL FRIENDS AND BIG FRIENDS OF THREE DIGITS • Subtraction of two digit numbers from three digit numbers • Subtraction of three digit numbers from three digit numbers
CHAPTER 3	MIXED ARTHEMETIC OPERATION • Addition and subtraction of two, three digit numbers using both small and big friends
CHAPTER 4	SKIP COUNTING • Skip counting of numbers till 9 to understand multiplication
CHAPTER 5	REPEATED ADDITION OR MULTIPLICATION • Understanding multiplication using repeated adding of numbers • Multiplying one digit numbers with one digit number • Multiplying of two digit numbers
CHAPTER 6	REPEATED SUBTRACTION OR DIVISION • Understanding Division using repeated subtraction • Division of two digit numbers
CHAPTER 7	REPERESENTATION OF FOUR DIGIT NUMBERS • Leaning representation of big numbers on abacus tool

LEVEL 4: Level 4 highlights operations on large numbers. Next level multiplication.

Introduction to decimal number system. Square and Cubes

CHAPTER 1	ADDITION AND SUBTRACTION OF LARGE NUMBERS • Addition and subtraction of 3, 4 digit numbers
CHAPTER 2	NEXT LEVEL MULTIPLICATION • Multiplication of 2 digit with 3-digit number • Multiplication of 2 digit with 4-digit number
CHAPTER 3	DIVISION ON ABACUS • Division of 3-digit dividend and single digit divisor
CHAPTER 4	DECIMAL NUMBER SYSTEM • Representing Decimal on Abacus • Addition and subtraction in decimals
CHAPTER 5	SQUARES • Introduction and Representing Squares on Abacus • Squares of one and two digit numbers • Squares of 3 digit numbers
CHAPTER 6	CUBES • Introduction and Representing Cubes on Abacus • Cubes of one and two digit numbers

LEVEL 5: Level 4 focuses on decimal operations, factorization and Square roots.

CHAPTER 1	DECIMAL NUMBER SYSTEM • Decimal multiplication • Decimal Division
CHAPTER 2	PRIME FACTORISATION • Introduction and Representing Prime Factorization on Abacus. • Finding Prime Factors
CHAPTER 3	HIGHEST COMMON FACTOR • Introduction and Representing on Abacus • Finding HCF between 2, 3 number
CHAPTER 4	LEAST COMMON MULTIPLE • Introduction and Representing on Abacus • Finding LCM between 2, 3 numbers
CHAPTER 5	SQUARE ROOT • Introduction and Representing Square root on Abacus • Square root for 3&4 digit numbers

LEVEL 6: in this level we learn calculations of bigger numbers, percentage and cube roots

CHAPTER 1	HIGHER LEVEL OF ADDITION AND SUBTRACTION • Adding 5,6 digits • Subtracting 5, 6 digits
CHAPTER 2	MIXED OPERATIONS OF BIG NUMBERS ON ABACUS TOOL • Addition and subtraction of 4, 5,v6 digit numbers using both small friends and big friends
CHAPTER 3	COMPARING QUANTITIES • Introduction and representing percentage on Abacus • Finding percentage of a number
CHAPTER 4	CUBE ROOT • Introduction and representation of cube root on Abacus • Cube root of 3 and 4 digit numbers

ADVANCED LEVEL 7

CHAPTER 1	VISUALISATION OF ABACUS • Learning to do operations without the tool
CHAPTER 2	ADDITION OF ONE AND TWO DIGITS USING VISUALISATION • Doing addition sums only by visualization
CHAPTER 3	SUBTRACTION OF ONE DIGIT WITH TWO DIGITS USING VISUALISATION • Doing subtractions only by visualization