Level 10: Addition with the highest total of 10

- Holding and using the abacus correctly
- Using the right fingering technique in moving the beads on the abacus
- Moving the beads up and down corresponding to the numbers
- Identifying all possible pairs of numbers that total up to 5
- Counting a group of objects up to 10
- Representing numbers 0 to 10 on the abacus
- Saying and recognizing number names 1 to 4, 5 to 9, 0 and 10
- Applying addition in solving simple real life problems

Level 9: Subtraction within the range of 10

- Subtracting 1 from a number
- Saying number sentences for subtraction
- Using the abacus to move down beads for subtraction, step by step
- Visualizing bead movements in subtraction of numbers
- Applying subtraction in solving simple real life problems

Level 8: Addition & Subtraction within the range of 100

- Saying and recognizing number names up to 100
- Reading and writing number names and numerals up to 100
- Identifying place value for ones and tens on the abacus
- Representing numbers in tens and ones
- Representing numbers up to 100 on the abacus
- Using the abacus to move up beads for addition, step by step
- Identifying all possible pairs of numbers that total up to 10
- Visualizing bead movements in addition of numbers
- Applying addition in solving simple real life problems

Level 7: Combination of Addition and Subtraction within 100

- Performing calculations of mixed operation using the abacus for single & double digits
- Visualizing bead movements to perform mixed operations
- Abacus and visualization exercises
- Introducing simple real-life problems that involve mixed operation of addition and subtraction

Level 6: Addition and subtraction within the range of 1,000

- Showing how to represent numbers up to 1000 on the abacus
- Counting by 2s, 5s, 10s and 100s within 1000
- Comparing numbers within 1000
- Abacus and visualization addition & subtraction exercises
- Introducing simple real-life problems that involve mixed operation of addition and subtraction
- Performing calculations of mixed operation using the abacus for single, double, and triple digit numbers

Level 5: Multiplication of basic facts within the 2, 3, 4, & 5 times-tables

- Introducing the concept of multiplication with simple real-life problems
- Recognizing multiplication as repeated addition
- Grouping up to nine groups of 2, 3, 4, and 5 to make up the times-table
- Visualizing the products of multiplication

- Introducing the standard written method for multiplication
- Multiplication exercises
- Solving multiplication problems step by step

Level 4: Multiplication of basic 6, 7, 8 & 9 times-tables

- Multiplication is further reinforced to involve bigger numbers
- Visualizing the products of multiplication
- By the end of this level, students will be able to multiply 2 digits multiplication in mind.
- In Mind
  67 + 18 – 56 + 15 – 3 + 9 =

- Using Abacus
  a. 778 + 221 – 691 + 309 – 500 =
  b. 644* 8 =

Level 3: Division within 2, 3, 4, & 5 times-tables

- Introducing the concept of division with simple real-life problems
- Recognizing division as an act of grouping and/or sharing
- Recognizing the relationship between division and multiplication
- Solving division problems step by step
- Introducing the standard written method for division
- Representing division on the abacus
- Multiplication and division tables for numbers 2, 3, 4, and 5

Level 2: Division within 6, 7, 8 & 9 times-tables

- Multiplication and division tables for numbers 6, 7, 8, and 9
- More attention is focused on complex and challenging mathematical numbers.
- Two to Four digit Division is introduced using abacus.
- In Mind
  a. 768* 6 =
  b. 927* 7 =
  c. 3356* 8 =

- Using Abacus
  a. 546 /6 =
  b. 6408 / 9 =

Level 1: Mental Math calculations for all previous math operations plus percent, decimals, square roots and fractions

- Performing calculations of mixed operation
- Visualizing bead movements to perform mixed operations
- In Mind
  a. 914* 325 =
  b. (455*156) /78 =