



## 1st Grade Mathematics Curriculum

Welcome to ACE's Tutoring LLC's 1st Grade Mathematics sessions. These sessions are conducted in hourly increments and will provide both enlightenment and enrichment for 1st Grade Mathematics. At the end of these sessions, the student may be assigned a worksheet that will further their understanding of any of the offered topics. At this tutoring firm, the goal is to ensure that the enrolled student receives a letter grade of a B or higher and have a deeper understanding of the following topics:

- **ALGEBRAIC THINKING/OPERATIONS**

- Represent and solve problems involving addition and subtraction.
  - Introducing real world scenarios that involves addition and subtraction within 20.
  - Introducing real world scenarios that involves the addition and subtraction of three whole number
- Understand and apply properties of operations and the relationship between addition and subtraction
  - Understanding Commutative Property of Addition
  - Understanding Associative Property of Addition
  - Seeing subtraction as the opposite of addition and being able to solve for unknown numbers. (i.e. subtract  $5 - 3$  by finding the whole number that makes 5 when adding 3)
- Add and subtract within 20
- Work with addition and subtraction equations
- Heart Stamp Assessment ♥

- **NUMBER AND OPERATIONS IN BASE TEN**

- Extend the counting sequence.
  - Counting beyond 10 using counting blocks; will count up to 99
- Understand place value
  - Utilizing the signs  $<$ ,  $>$  and  $=$  to compare two different numbers
  - Represent numbers 1 - 99 using counting blocks
- Use place value understanding and properties of operations to add and subtract.
  - Constructing the able to add and subtract 10 from numbers between 10 and 99

- Diamond Stamp Assessment ♦
- **MEASUREMENTS AND DATA**
  - Measure lengths indirectly and by iterating length units
    - Measuring the length of large objects using the length of shorter objects
  - Work with time and money
    - Introducing coins ( pennies, nickels , dimes and quarters)
    - Introducing dollar bills
  - Represent and interpret data.
    - Organize and represent different points data by category
    - Being able to ask and answer questions given categorical data.
  - Club Stamp Assessment ♣
- **GEOMETRY**
  - Reasoning with shapes and their attributes
    - Working with two dimensional shapes (triangles , squares , rectangles, pentagons , hexagons and octagons)
    - Identifying shapes by the number and length of their sides.
  - Spade Stamp Assessment ♠

For in class settings, worksheets, activities and projects will be incorporated within these topics for the enrolled student(s) to achieve a better understanding. A prize system will also be established for any student who excels in these topics. If you have any questions, please feel free to contact our company email [acestutoringllc@gmail.com](mailto:acestutoringllc@gmail.com).

Thank you and we hope to see you at our sessions!