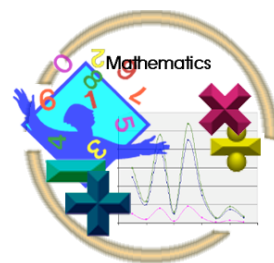


# Math

## Kindergarten



**Standard 1: The student uses a variety of strategies in the problem-solving process.**

1.1 Show and solve basic one-step problems

*By acting out*

*Using manipulatives*

*Using pictures*

**Standard 2: The student understands and applies basic and advanced properties and concepts of numbers.**

2.1 Demonstrate an understanding of whole numbers 0-20

*Physical representations*

*Pictorial representations*

*Symbolic representations (0-10)*

*Verbal representations*

*Use one-to-one correspondence to count and to compare sets of objects.*

*Count to twenty*

*Count back from ten*

2.2 Use basic concepts of order and position

*Left-to-right*

*Top-to-bottom*

*Next*

*Last*

*First*

*Second*

*Third*

2.3 Demonstrate an understanding of the concept of sets

*A whole set*

*Part / some of a set*

*None of a set*

**Standard 3: The student uses basic and advanced procedures while performing the processes of computation and estimation.**

3.1 Estimate and verify the number of objects in a set (0 - 20)

3.2 Combine and separate objects to form sets of up to 10 items

3.3 Represent combinations of objects from 0 to 10

*With pictures and drawings*

*With physical materials*

*With numerals*

**Standard 4: The student understands and applies the basic and advanced properties of patterns, functions and algebra.**

4.1 Create and extend simple repeating patterns

*With actions and sounds*

*With physical materials*

*With symbols*

*With pictures*

4.2 Sort and classify real objects by one attribute

*Size*

*Shape*

*Color*

*Function*

**Standard 5: The student understands and applies basic and advanced concepts of statistics and data analysis.**

5.1 Display and read simple information in real object or picture graphs

**Standard 7: The student understands and applies basic and advanced properties of the concepts of geometry.**

7.1 Identify common plane figures

*Circle*

*Square*

*Rectangle*

*Triangle*

7.2 Know basic geometric terms associated with common plane figures

*Side*

*Round*

7.3 Demonstrate understanding of the basic language of spatial sense

*Inside, outside*

*Above, below*

*Between*

*Behind, in front of*

7.4 Use a variety of methods and tools to model basic geometric figures

*Pattern blocks*

*Table block*

**Standard 8: The student understands and applies basic and advanced properties of the concepts of measurement.**

8.1 Use non-standard units and tools to measure length, weight and volume

8.2 Demonstrate an understanding of the basic language of measurement

*Longer than*

*Taller than*

*Shorter than*

*Heavier than*

*Lighter than*

November 2003