

KINDERGARTEN MATHEMATICS

These guidelines have been designed to assist teachers and parents to focus on what a typical child should know and be able to do at various times in Kindergarten. Please note that we do not expect all students will achieve these levels at the times designated.

FIRST TRIMESTER

NUMBERS AND OPERATIONS

1. given an attribute, sort a variety of objects
2. rote count to 10
3. begin to identify numerals 1-10
4. count objects to 10
5. recognize ordinal number: 1st

GEOMETRY AND MEASUREMENT

1. begin to recite days of the week
2. name 4 basic geometric shapes

DATA, STATISTICS AND PROBABILITY

1. participate in making class graphs

FUNCTIONS AND ALGEBRA

1. recognize a simple pattern

COMMUNICATION AND PROBLEM SOLVING

1. begin to understand comparisons

NUMBERS AND OPERATIONS

1. identify and sort a variety of objects
2. rote count to 20
3. identify numerals 1-10, some between 11-20
4. begin to count objects from 11-20
5. begin to recognize ordinal numbers: 1st –3rd
6. begin to join sets of objects

GEOMETRY AND MEASUREMENT

1. recite most days of the week
2. explore length using non-standard measurement

DATA, STATISTICS AND PROBABILITY

1. create simple real graphs

FUNCTIONS AND ALGEBRA

1. recognizes, records and names a simple pattern

COMMUNICATION AND PROBLEM SOLVING

1. begin to use math vocabulary
2. begin to understand comparisons

THIRD TRIMESTER

NUMBERS AND OPERATIONS

1. identify, sort and classify a variety of objects
2. rote count to 31
3. identify numbers 1-20 (one to one correspondence)
4. count objects to 20
5. recognize ordinal number: 1st–3rd
6. explore $1 >$ and $1 <$
7. join sets of objects that sum < 10
8. begin to remove subsets from sets of objects < 10
9. develop an understanding of simple fractions as equal parts of a whole

GEOMETRY AND MEASUREMENT

1. recite days of the week in order
2. possess awareness of months
3. familiar with names of four basic coins
4. measure length using non-standard measurement
5. make comparisons (including length, area, weight, volume and temperature)

DATA, STATISTICS AND PROBABILITY

FUNCTIONS AND ALGEBRA

1. create, names and extends a simple pattern

COMMUNICATION AND PROBLEM SOLVING

1. use basic math vocabulary (smaller, bigger, more, less than and same as)