

Idaho Core Math Standards: KINDERGARTEN Quick Guide

This is a one page “big picture” overview.
We use the Investigations Math program.

Essential Skills:

Counting and Cardinality:

- Know number names and the count sequence
- Count to tell the number of objects
- Compare Numbers

Operations and Algebraic Thinking:

- Understand addition as putting together and adding to, and understanding subtraction as taking apart and taking from.

Number and Operations in Base Ten:

- Work with numbers 11-19 to gain foundation for place value.

Measurement and Data:

- Describe and compare measurable attributes.
- Classify objects and count the number of objects in categories.

Geometry:

- Identify and describe shapes.
- Analyze, compare, create, and compose shapes.

Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.



Core Standards Vocabulary

Counting and Cardinality

Count
Ones
Tens
How many?
Compare
Greater than
Less than
Equal

Operations and Algebraic Thinking; Numbers and Operations in Base 10

Addition/Add
Subtraction/subtract
Equation

Measurement and Data

Attribute
Length
Weight
“More of”
“Less of”

Geometry

Above
Below
Beside
In front of
Behind
Next to
Flat (2-dimensional shapes)
Solid (3-dimensional shapes)
Corners (vertices)
Square
Circle
Triangle
Rectangle
Hexagon
Cube
Cones
Cylinder
Sphere

“Must Haves” in preparation for First Grade*:

By the end of the year, all students will be able to:

1. Demonstrate on-to-one correspondence when counting up to 20 objects.
2. Count to 100 by ones and tens.
3. Write numerals 1-20.
4. **Fluently** add and subtract within five, demonstrated by 20 in a minute.

*“Must Haves” represent the most critical numeric requirements needed to advance to the next grade. Much more instruction and learning is required and outlined in the standards.