

Idaho Core Math Standards: FIRST GRADE Quick Guide

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

Essential Skills:

Operations and Algebraic Thinking:

- Represent and solve problems involving addition and subtraction.
- Understand and apply properties of operations and the relationship between addition and subtraction.
- Add and subtract within 20.
- Work with addition and subtraction equations.

Number and Operations in Base Ten:

- Extend the counting sequence.
- Understand place value.
- Use place value understanding and properties of operations to add and subtract.

Measurement and Data:

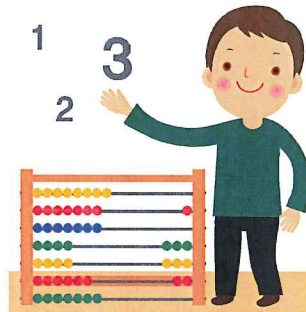
- Measure lengths indirectly and by iterating length units.
- Tell and write time to the hour and half hour.
- Represent and interpret data.

Geometry:

- Reason with shapes and their attributes.

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

(Review Kindergarten list—attached)

Operations and Algebraic Thinking

Add/Addition
Subtract/Subtraction
Putting together
Taking apart
Comparing
Unknown number
Symbol
Sum
Equal
Equivalent
Equation
Digits
True and false

Number and Operations in Base 10

Place value
Bundle
<, >, and = symbols
Tens
Ones

Measurement and Data

Length
Unit
Object
Analog and digital clocks
Hour
Half hour
Data

Geometry

Attribute
Two-dimensional shapes
Rectangle
Square
Trapezoid
Triangle
Half-circle
Quarter-circle
Three-dimensional shapes
Cube
Right rectangular prism
Right circular cone
Right circular cylinder
Halves/half of
Fourths/fourth of
Quarters/quarter of

”Must Haves” in preparation for Second Grade*:

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

1. Count to 120, starting at any number less than 120.
2. **Fluently** add and subtract within ten, demonstrated by 25 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.