

Mathematics Grade 1

Concepts and Principles of Measurement

1. Use direct comparison and nonstandard units to describe the measurements of objects
2. Tell time to the nearest half hour and relate time to events.

Statistics, Data Analysis, and Probability

1. Organize, represent, and compare data by category on simple graphs and charts
2. Sort objects and create and describe patterns by numbers, shapes, sizes, rhythms, or colors

Number Sense

1. Count, read, and write whole numbers to 100.
2. Count and group objects in ones and tens.
3. Identify and know the value of coins and show different combinations of coins that equal the same value.
4. Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory.
5. Use the inverse relationship between addition and subtraction to solve problems.
6. Identify one more than, one less than, 10 more than, and 10 less than a given number.
7. Count by 2s, 5s, and 10s to 100.
8. Solve addition and subtraction problems with one and two digit numbers.
9. Students use estimation strategies in computation and problem solving that involve numbers that use the ones, tens, and hundreds places

Algebra and Functions

1. Students use number sentences with operational symbols and expressions to solve problems

Concepts and Principles of Geometry

1. Identify common geometric figures, classify them by common attributes, and describe their relative position or their location in space
2. Classify familiar plane and solid objects by common attributes, such as color, position, shape, size, roundness, or number of corners, and explain which attributes are being used for classification.
3. Give and follow directions about location.

Mathematical Reasoning (Not in Descartes)

1. Students make decisions about how to set up a problem
2. Students solve problems and justify their reasoning
3. Students note connections between one problem and another