

## Goals for Place Value

1. Students can count large numbers by grouping the objects in at least two ways.
2. Students recognize that regardless of the groupings used to count objects, the total number remains unchanged.
3. Students understand that the digits have different values depending on their positions in the number.
4. Students can use place value strategies to round numbers.
5. Students can freely exchange 10 ones for a ten, a ten for 10 ones, 10 tens for a hundred, a hundred for 10 tens, etc.
6. Students can represent the same number in different ways; for example, 35 can be represented by 3 tens and 5 ones, as 2 tens and 15 ones, as 1 ten and 25 ones, and as 35 ones.
7. Students can represent numbers in standard form, expanded form, and word form.
8. Students can add and subtract 1, 10, 100, etc. mentally.
9. Students can multiply and divide by 1, 10, 100, etc. mentally.
10. Students can use place value strategies to add and subtract.
11. Students can compare two numbers using place value strategies.
12. Students can use place value strategies to multiply and divide.