

### Course Description:

Mathematics 2 (1 of 2) explores fluently adding and subtracting within 100 using mental strategies; understanding addition and subtraction within 200 using concrete models or drawings and strategies; applying these addition and subtracting skills in solving one- and multi-step real-world problems; reading and writing numbers up to 1,200 in different forms; counting numbers up to 1,200 in 1s, 5s, 10s, and 100s; plotting, comparing and ordering numbers up to 1,200; and finally building the foundation for multiplication and division by making equal groups of objects.

### Course Objectives:

- Add and subtract numbers up to 200 in different ways.
- Plot and identify numbers on number lines up to 1,200.
- Show and model hundreds.
- Use skip counting by 1s, 5s, 10s, and 100s to count numbers up to 1,200.
- Write numbers under 1,200 in different forms.
- Compare and order numbers up to 1,200.
- Solve for missing numbers in addition and subtraction problems.
- Write and solve addition and subtraction word problem for word problems in different ways.
- Show if the numbers are even or odd.
- Write equations for even and odd numbers.
- Solve problems with equal groups or arrays and addition equations.
- Write word problems for addition and subtraction equations.
- Compose and decompose numbers in different forms.
- Round whole numbers under 100 to the nearest 10.
- Use problem solving skills in math and word problems.

### Required Materials:

Required:

- 36 objects for counting and modeling (such as beans, bingo chips, or buttons)
- paper
- pencils
- printables (see Course Syllabus for link)
- printer and printer paper (for printables)
- paper clips, crayons, or other objects that are close to the same size.

### Course Overview:

This course is made up of 18 units. Each unit has five lessons. Lessons are made of up activities that include the following types of learning:

- **Warm-Ups** allow for practice of skills or concepts taught in previous lessons. These are graded activities.
- **Direct Instructions** provide modeling of new skills and concepts. These are not graded activities.
- **Guided Practices** allow for practice of a skill with support. These are graded activities only on a completion basis.
- **Independent Practices** allow for practice of a skill without support. These are graded activities.

- **Unit Reviews** allow for practice of skills prior to taking unit exams. These are not graded activities.
- **Unit Exams** test mastery of skills from the unit. These are graded activities.