

Course Description:

In Mathematics 2 (2 of 2), students will add and subtract numbers within 1,000 using models and place value columns, measure objects once and twice with standard units using appropriate tools, solve word problems within 100 involving lengths, create and use picture graphs, bar graphs, and line plots to draw conclusions. They will describe attributes of two-dimensional and three-dimensional shapes, compose and decompose two-dimensional and three-dimensional shapes, partition circles and rectangles into halves, thirds, fourths, and eighths, and find the perimeter and area of rectangles. In addition, students will tell time to five minutes and the nearest minute on analog and digital clocks using a.m. and p.m., solve word problems involving money, and differentiate between producers and consumers.

Course Objectives:

- Add and subtract numbers within 1,000 in different ways.
- Solve addition and subtraction word problems within 1,000.
- Measure, estimate, and compare lengths using different tools and units.
- Solve word problems about lengths in same units.
- Know the parts of different graphs or tables.
- Read, analyze, interpret, and create data in different graphs or tables.
- Solve word problems with data in different graphs or tables.
- Identify, classify, and draw 2-D and 3-D shapes based on given attributes.
- Compose and decompose shapes.
- Split shapes into equal parts.
- Find areas and perimeters of shapes.
- Read and tell time on analog and digital clocks.
- Solve word problems about money.
- Identify ways to use money.
- Use problem solving skills in math and word problems.

Required Materials:

- centimeter ruler or centimeter cube
- inch ruler or inch tile
- paper
- pencil
- printables (see Course Syllabus for link)
- printer and printer paper (for printables)

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.