First Grade 2020 Unit #2: Math - Number and Operations in Base Ten

Content Area: **Mathematics**
Course(s): **Math 1**
Time Period: **Marking Period 2**
Length: **about 6-8 weeks**
Status: **Published**

Established Goals/Standards

MA.1.NBT.A	Extend the counting sequence.
MA.1.NBT.A.1	Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.
MA.1.NBT.B.2	Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases:
MA.1.NBT.B.2a	10 can be thought of as a bundle of ten ones — called a “ten.”
MA.1.NBT.B.2b	The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.
MA.1.NBT.B.2c	The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).
MA.1.NBT.B.3	Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols >, =, and <.
MA.1.NBT.C.4	Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, using concrete models (e.g., base ten blocks) or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten.
MA.1.NBT.C.5	Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.
MA.1.NBT.C.6	Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90 (positive or zero differences), using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

Essential Questions

- How can I use what I know about subtraction to subtract tens?
- How can you count and add using tens and ones?
- How can you use what you already know about counting to count past 100?
- What are ways to compare numbers to 120?
- What are ways to use tens and ones to add?

Enduring Understanding

- Models can be used to show 1 more, 1 less, 10 more, and 10 less than a number. Models, words, and symbols can be used to compare 2 two-digit numbers. A number line can be used to compare numbers.
- The numbers 11 through 19 are composed of a group of 10 and up to 9 more. When there are only groups of 10, counting by 10s can be used to find how many in all. When there are groups of tens and leftovers (ones), counting the groups of 10s and adding ones tell how many in all.
- Use models to add tens. Use mental math to add tens. Use a hundred chart to add two-digit numbers. Use an open number line to add two-digit numbers.
- Use models to subtract tens. Use mental math to subtract tens. Use a hundred chart to subtract tens. Use addition to subtract tens.
- Use ten-frames to count by 10s. Count and find patterns on a number chart. Use an open number line to count on by 1s and 10s. Count and write the numerals to show how many.

Content

Students will be able to:

- Understand that the two digits of a two-digit number represent amounts of tens and ones
- Understand that 10 can be thought of as a bundle of ten ones-called a "ten"
- Understand that numbers from 11 to 19 are composed of ten ones and one to nine ones
- Understand that the numbers 10, 20,....90 refer to one to nine tens (and 0 ones)
- Understand that the two digits of a two-digit number represents amounts of tens and ones
- Compare two two-digit numbers and use the symbols >, =, and <
- Use concrete models and strategies to add within 100
- Add a two-digit number and a one-digit number
- Add a two-digit number and a multiple of 10
- Understand when to compose a ten when adding two-digit numbers
- Mentally find 10 more than a given number
- Mentally find 10 less than a given number
- Subtract multiples of 10

Resources

savvasRealize.com (Digital Resources online) which includes:

- Online Interactive Math Stories
- Solve and Share Online
- Visual Learning Animation Plus Online
- Convince Me! Online
- Practice Buddy Online
- Animated Glossary Online, Vocabulary Cards
- 3-ACT Math Videos

Student's Edition enVision Mathematics grade 12020

Teacher's Edition enVision Mathematics grade 12020

Teacher's Resource Masters which includes:

- Interactive Math Stories
- Home-School Connection Letter
- Pick a Project
- enVision STEM Activities
- Daily Review
- Reteach to Build Understanding
- Build Math Literacy
- Enrichment
- Fluency Practice/Assessment
- Teaching Tools

math literature

math manipulatives

Manipulative Kits

Additional Pratice workbook for homework