

2nd- What Your Child Will Learn Module/Unit 5

Focus Grade Level Standards

Focus Grade Level Standards

- ✓ Use place value understanding and properties of operations to add and subtract.
- ✓ Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction
- ✓ Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones
- ✓ Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.
- ✓ Explain why addition and subtraction strategies work, using place value and the properties of operations.

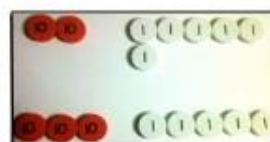
Terminology

New or Recently Introduced Terms

- Algorithm (a step-by-step procedure to solve a particular type of problem)
- Compensation (simplifying strategy where students add or subtract the same amount to or from both numbers to create an equivalent but easier problem)
- Compose (e.g., to make 1 larger unit from 10 smaller units)
- Decompose (e.g., to break 1 larger unit into 10 smaller units)
- New groups below (show newly composed units on the line below the appropriate place in the addition algorithm)
- Simplifying strategy (e.g., to solve $299 + 6$, think $299 + 1 + 5 = 300 + 5 = 305$.)

Familiar Terms and Symbols¹

- Addend
- Addition
- Bundle
- Difference
- Equation
- Number bond
- Place value
- Place value chart (pictured right)
- Place value or number disk (pictured above right)

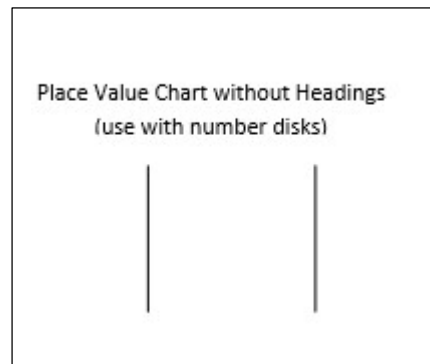


Place value disks

Place Value Chart with Headings
(use with numbers)

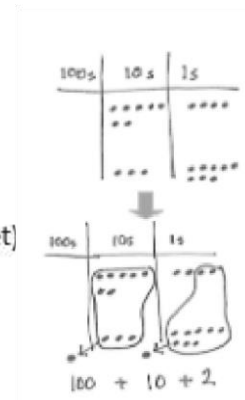
hundreds	tens	ones
7	2	6

- Rename
- Subtraction
- Tape diagram
- Total
- Unbundle
- Units of ones, tens, hundreds



Suggested Tools and Representations

- Arrow notation, arrow way
- Chip model (pictured right)
- Number bond
- Place value charts and mats (pictured above right)
- Place value disk sets (18 ones, 18 tens, 18 hundreds, 1 one thousand per set)
- Tape diagram



Activities At Home

- ✓ Roll two dice to make a two digit number. Subtract it from 99 or 100.
- ✓ Add all of the digits of your house number together.
- ✓ Consider Reading Missing Math