

Math Connections for Parents

Grade 2 Module 4

Addition and Subtraction Within 200 and Word Problems to 100

Welcome to Second Grade Module 4! Newark City Schools is using the EngageNY curriculum, which is aligned with Ohio's New Learning Standards. In Module 4, students will work on two-digit and three-digit addition and two-digit and three-digit subtraction. Students learn the concepts of renaming and bundling first, before moving to written forms of addition and subtraction. Students will then work on word problems to show their knowledge of adding and subtracting and to explain how they arrived at the answers in their work.

Important Words and Concepts

- Bundling: grouping, putting small units together to make a larger one, for example putting 10 ones together to make a ten.
- Renaming: changing, instead of "carrying" or "borrowing", for example a group of 10 ones is "renamed" a ten when the ones are bundled and moved from the ones to the tens place.
- Units of ones, tens, hundreds, thousands (referring to place value; 10 ones is the same as 1 unit of ten)
- Difference: answer to a subtraction problem
- Sum: answer to an addition problem
- Place value: referring to the unit value of each digit in a given number

Sums and Differences to 20

Students continue to work on mastering addition and subtraction facts from 0-10. Now they will apply that knowledge to adding and subtracting two and three digit numbers. Continue to work toward quick recall of these basic facts with flash cards, apps, or online games.

KEY STANDARDS

- Represent and solve problems involving addition and subtraction, in one and two step word problems
- Add and subtract within 100 using place value, drawings and written methods
- Add up to four two-digit numbers
- Mentally add or subtract 10 or 100 to a given number.
- Explain why addition and subtraction strategies work



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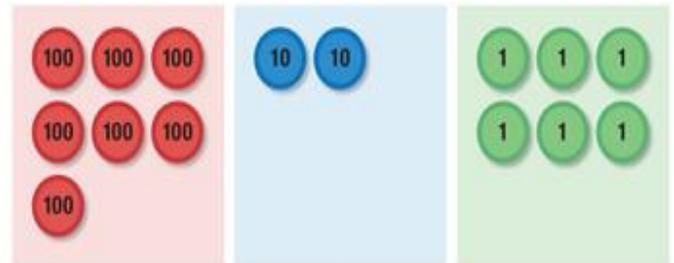
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For more resources, please visit www.newarkcityschools.org → Parent Math Academy K-5

Graphics and Strategies you may see...

Hundreds	Tens	Ones



Place value charts will be used throughout to model bundling and renaming groups of ones, tens and hundreds.

Students will also use place value disks to represent numbers and to model bundling and renaming groups of ones, tens and hundreds.

Sample Word Problem:

Jessica's teacher marked her answer wrong for Problem 3. Jessica can't figure out what she did wrong. If you were Jessica's teacher, how would you explain her mistake?

<p>Jessica's work:</p>	<p>Explanation:</p> <p>I would tell Jessica that she put the 1 in the wrong place. There is 1 hundred and no tens. The answer should be 109.</p>
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