

Math Connections for Parents

Grade 2 Module 3

Place Value, Counting, and Comparison of Numbers to 1,000

Welcome to Second Grade Module 3! Newark City Schools is using the EngageNY curriculum, which is aligned with Ohio's New Learning Standards. In Module 3, students will work on place value strategies with the ones, tens and hundreds places, and on counting strategies. Students will work on renaming 10 ones as 1 ten, and 10 tens as 1 thousand.

Important Words and Concepts

- Base ten numerals: i.e. a thousand is 10 tens, a hundred is 10 ones.
- Expanded form: (i.e. $500 + 70 + 6$)
- Standard form: (i.e. 576)
- Word form: (i.e. five hundred seventy-six)
- 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.
- Unit form counting: counting that states the place value of each digit (i.e. 27 is 2 tens, 7 ones; 146 is 1 hundred, 4 tens, 6 ones)

Sums and Differences to 20

Students continue to work on mastering addition and subtraction facts from 0-10. They will use these facts this module to solve word problems and to continue their understanding of how place value works. Help your student at home by going over basic facts to continue to work toward quick recall of these basic facts.



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

KEY STANDARDS

- Bundle and count ones, tens and hundreds to 1,000
- Count up and down between 100 and 220 using ones and tens.
- Count up and down between 90 and 1,000 using ones, tens and hundreds
- Read and write numbers in standard, expanded, word and unit form
- Count using money with \$1, \$10 and \$100 bills
- Model numbers with 1,000 with place value disks
- Compare two three-digit numbers using $<$, $>$ or $=$
- Find 1, 10 or 100 more or less than a number.

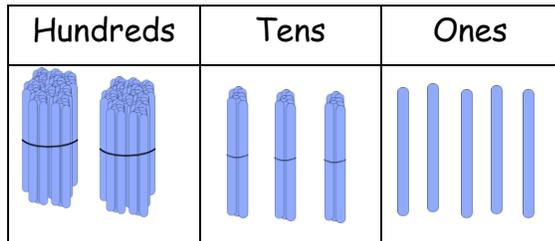
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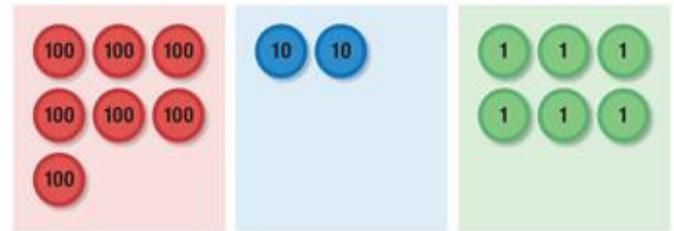
Place Value, Counting, and Comparison of Numbers to 1,000

Graphics and Strategies you may see...

This module looks at multiple ways to show numbers and place value:



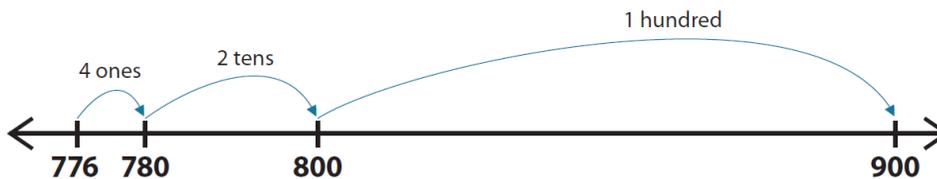
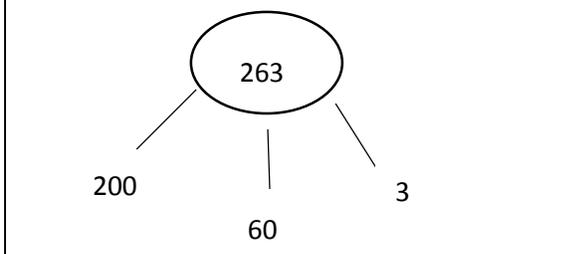
A place value chart shows bundles of sticks to make 235.



Unit form modeled with number disks:
7 hundreds 2 tens 6 ones = 72 tens 6 ones

Count 10 ones	1	2	3	4	5	6	7	8	9	10
Count 10 tens	10	20	30	40	50	60	70	80	90	100
Count 10 hundreds	100	200	300	400	500	600	700	800	900	1000

Number bonds can be used to show place value: 2 hundreds, 6 tens, 3 ones



A number line could be used to show how to get from 776 to 900 by counting ones, then tens, then hundreds.