

GRADE

3



OHIO ACADEMIC CONTENT STANDARDS  
MATHEMATICS CURRICULUM GUIDE

Third Grade – Number, Number Sense and Operations Standard		
Students demonstrate number sense, including an understanding of number systems and operations and how they relate to one another. Students compute fluently and make reasonable estimates using paper and pencil, technology-supported and mental methods.		
BENCHMARKS	GRADE LEVEL INDICATORS	STRATEGIES/RESOURCES
Use place value structure of the base-ten number system to read, write, represent and compare whole numbers and decimals. (A)	<p><u>Number and Number Systems</u></p> <ul style="list-style-type: none"> <li>Use place value concepts to represent whole numbers and <b>decimals</b> using numerals, words, expanded notation and physical models. For example:               <ol style="list-style-type: none"> <li>recognize 100 means “10 tens” as well as a single entity (1 hundred) through physical models and trading games;</li> <li>describe the multiplicative nature of the number system such as, the structure of 3205 as 3 x 1000 plus 2 x 100 plus 5 x 1;</li> <li>model the size of 1000 in multiple ways; such as, packaging 1000 objects into 10 boxes of 100, modeling a meter with <b>centimeter</b> and <b>decimeter</b> strips, or gathering 1000 pop-can tabs;</li> <li>explain the concept of tenths and hundredths using physical models such as, metric pieces, base ten blocks, decimal squares or money. (2)</li> </ol> </li> <li>Use mathematical language and symbols to compare and order; such as, less than, greater than, at most, at least, <math>&lt;</math>, <math>&gt;</math>, <math>=</math>, <math>\leq</math>, <math>\geq</math>. (3)</li> </ul>	<p>2. ex. 6,345 is six thousand, three hundred, forty-five and 6 x 1000 plus 3 x 100 plus 4 x 10 plus 5 x 1</p> <p>2.place value- <a href="http://www.aaamath.com">http://www.aaamath.com</a></p> <p>3. <math>\geq</math> is greater than or equal to <math>\leq</math> is less than or equal to</p>