


## Grade 4 MP 1 Websites/Apps for Chromebook that align with C2.0

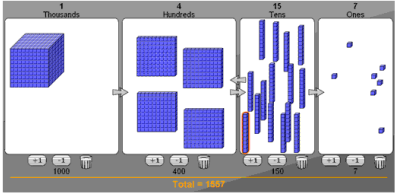


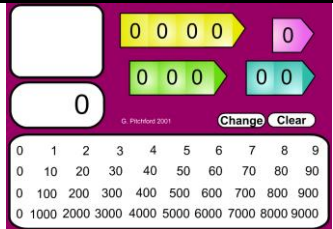
**Directions:** All sites should be used and explored by teachers prior to student use.

The following websites/apps support...



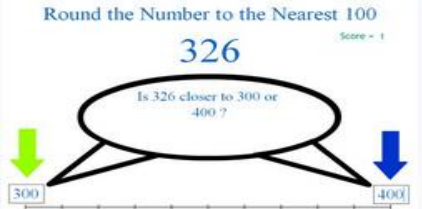

<p>the alignment of the C2.0 standards.                  the development of conceptual understanding.                  material that supports teaching.                  collaboration among students.</p>	<p>the accessibility for all students.                  the quality of instructional and practice exercises.                  quality interactivity.                  opportunities for deeper learning or extensions.</p>
<p>Operations &amp; Algebraic Thinking (OA)                  Number &amp; Operations in Base Ten (NBT)                  Number and Operations-Fractions (NF)                  Measurement &amp; Data (MD)                  Geometry (G)</p>	

Website	Indicator/Week/MT	Description
 <p style="text-align: center;"><a href="#">The Number System</a></p>	<p><b>1.4.C.1 Weeks 1-2</b> <b>NBT</b></p>	<ul style="list-style-type: none"> <li>● Supports the use of place value charts to determine the value of digits</li> <li>● Strengthens understanding of multiplication and division through the base-10 system</li> <li>● Best used in pairs for discussion or teacher-led small group</li> <li>● Provides a challenge with place value riddles</li> </ul>



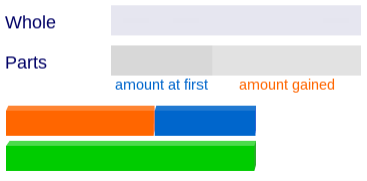
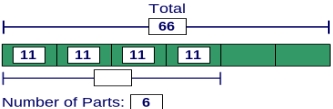


 <p><a href="#">Place Value Blocks</a></p>	<p><b>1.4.C.1 Weeks 1-2</b> <b>NBT</b></p> <p>Provides formative data based on single attempt</p>	<ul style="list-style-type: none"> <li>● Use of base ten blocks to represent numbers up to 1,000 in multiple ways</li> <li>● Useful for students struggling with number sense concepts</li> <li>● Best used independently, in pairs or in small group</li> </ul>
 <p><a href="#">Expanded Notation</a></p>	<p><b>1.4.C.3 Weeks 1-3</b> <b>NBT</b></p> <p>Provides formative data based on single attempt</p>	<ul style="list-style-type: none"> <li>● Includes informational video</li> <li>● Read/Write multi-digit whole numbers as numerals, number names, and expanded form</li> <li>● Best used as individual or partner work</li> <li>● Word problem format</li> <li>● Students may review answers to clarify misunderstandings</li> </ul>
 <p><a href="#">Place Value Concepts</a></p>	<p><b>1.4.C.2 Weeks 1-3</b> <b>NBT</b></p>	<ul style="list-style-type: none"> <li>● Supports use of place value chart for standard form, expanded form and word form</li> <li>● Uses ones, tens and hundreds place values</li> <li>● Best used independently or in pairs</li> <li>● Immediate feedback provided</li> </ul>
 <p><a href="#">Place Value Number Board</a></p>	<p><b>1.4.C.2 Weeks 1-3</b> <b>NBT</b></p>	<ul style="list-style-type: none"> <li>● Read/Write multi-digit whole numbers as numerals, number names, and expanded form</li> <li>● Best used in small group, with a capture sheet or as an additional support</li> <li>● Screen layout can be changed</li> </ul>


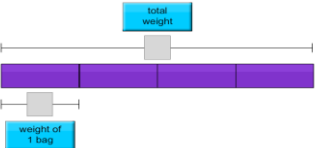


 <p><a href="#">There Must be Thousands</a></p>	<p><b>1.4.C.2 Weeks 1-3</b> NBT</p>	<ul style="list-style-type: none"> <li>● Supports the use of a place value chart to determine the value of digits and read and write multi-digit whole numbers up to hundred thousands place</li> <li>● Provides immediate feedback</li> <li>● Best used independently or in pairs</li> </ul>
 <p><a href="#">Estimate Whole Numbers</a></p>	<p><b>1.4.C.3 Weeks 3-4</b> NBT</p> <p>Provides formative data based on single attempt</p>	<ul style="list-style-type: none"> <li>● Use of number lines to round multi-digit numbers</li> <li>● Provides immediate feedback</li> <li>● Best used independently</li> <li>● Interactive and guided mini-lesson with a few practice questions</li> </ul>
 <p><a href="#">Rounding Multi-digit Numbers</a></p>	<p><b>1.4.C.3 Weeks 3-4</b> NBT</p> <p>Provides formative data based on single attempt</p>	<ul style="list-style-type: none"> <li>● Develops number sense by rounding multi-digit numbers to 10s and 100s place</li> <li>● Provides immediate feedback to students</li> <li>● Useful for independent practice</li> </ul>
 <p><a href="#">Subtraction with regrouping</a></p> <p><a href="#">Addition with regrouping</a></p>	<p><b>1.4.C.4 Weeks 5 - 6</b> NBT</p> <p>Provides formative data based on single attempt</p>	<ul style="list-style-type: none"> <li>● Provides practice in adding or subtracting multi-digit numbers</li> <li>● Includes a self-checking feature</li> <li>● Provides videos that do not support curriculum-related vocabulary (uses regroup, borrow) - Use the games only</li> <li>● Features word problems and different problem formats</li> <li>● Best used as independent, partner, or small group activity</li> <li>● Students can use white boards to solve problems before answering</li> </ul>



 <p><a href="#">Place Value Trading Game</a></p>	<p><b>1.4.C.4 Weeks 5-6</b> <b>NBT</b></p>	<ul style="list-style-type: none"> <li>● Allows the use of base ten blocks and place value tables to solve basic subtraction and addition problems</li> <li>● Provides immediate feedback</li> <li>● Useful for students struggling with addition and subtraction</li> <li>● Best used independently</li> </ul>
 <p><a href="#">Math Word Problems</a></p>	<p><b>1.4.B.3 Week 7</b> <b>OA</b></p>	<ul style="list-style-type: none"> <li>● Features multiple types and levels of word problems</li> <li>● Works within the various operations</li> <li>● Involves 2 digit by 1 digit and 2 digit by 2 digit</li> <li>● Provides different levels of challenge</li> <li>● Best used in small groups, individually or with a partner</li> </ul>
<p>Build Your Model</p>  <p><a href="#">Addition and Subtraction Word Problems</a></p>	<p><b>1.4.B.3 Week 7</b> <b>OA</b></p> <p>Provides formative data based on multiple attempts</p>	<ul style="list-style-type: none"> <li>● Headphones would be helpful for video tutorials</li> <li>● Best used for independent practice or use in pairs</li> <li>● Includes addition &amp; subtraction word problem practice</li> <li>● Includes varied levels of addition and subtraction of word problems</li> </ul>
<p>Build Your Model</p>  <p><a href="#">Multiplication and Division Word Problems</a></p>	<p><b>1.4.B.3 Week 7; 1.4.B.2 Weeks 8, 9</b> <b>OA</b></p> <p>Provides formative data based on multiple attempts</p>	<ul style="list-style-type: none"> <li>● Supports the use of number lines for multiplication and division word problems</li> <li>● Best used for independent practice</li> <li>● Includes video tutorials for support</li> <li>● Includes opportunities for challenge or extension</li> </ul>



 <p><b>MathPapa</b></p> <p><a href="#">Fraction Puzzle Game</a></p>	<p><b>1.4.B.1 Week 8</b></p> <p><b>OA</b></p> <p>Provides formative data based on single attempt</p>	<ul style="list-style-type: none"> <li>● Supports the use of number lines for multiplication</li> <li>● Utilizes two parentheses format for multiplication</li> <li>● Best used for independent practice</li> </ul>
<p>Add numbers to your model. Use a ? to show the missing value.</p>  <p><a href="#">Model and Solve Word Problems- multiplication and division</a></p>	<p><b>1.4.B.2 Weeks 8 - 9</b></p> <p><b>OA</b></p> <p>Provides formative data based on multiple attempts</p>	<ul style="list-style-type: none"> <li>● Step by step visual using drawings to represent factors and product</li> <li>● Interactive (student designates labels and drags/drops to show repeated addition)</li> <li>● Word problem format</li> <li>● Best used as independent practice after modeling the drag and drop procedure</li> <li>● Suitable for modeling multiplication comparison vs. additive comparison</li> </ul>
<p><b><u>Additional Materials:</u></b></p>		
<p><b><u>Wolfram Alpha:</u></b> Students can enter mathematical expressions or equations into the search bar and the website will provide the answer as well as several ways to represent the input and its solution. Students can also type in mathematical vocabulary words but much of the explanation about the term will be beyond a third grader’s ability to understand.</p> <p>Be sure to refer to the <a href="#">interactive online math tools</a> referenced on the instruction center.</p> <p><b><u>Matific :</u></b> This website offers teachers access to a platform that has an inventory of learning tasks titled “episodes” that can be assigned to individuals or the entire class. Teachers will have to sign-up for a free account and add their students. Teachers are able to maintain student anonymity by entering only as much text as needed for the student “names.” The site also allows teachers to assign students episodes from different grade levels meaning that students practice could be differentiated. Episodes are meant to reinforce material presented by the teacher not replace it.</p>		



**That Quiz** : This website offers teachers access to a platform that will allow them to create, edit and collect formative data about their students performance in math for a range of math Indicators. Teachers can use the website with or without signing up. Students access quizzes by entering a “test quiz code” at the bottom of the homepage and then choose their teacher entered “id” from a dropdown menu. Teachers are able to maintain student anonymity by entering only as much text as needed for the student “names.”

