


Grade 4 MP 2 Websites/Apps for Chromebook that align with C2.0


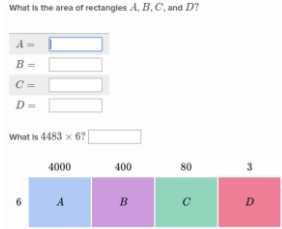


Directions: All sites should be used and explored by teachers prior to student use.

The following websites/apps support...

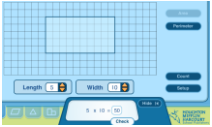
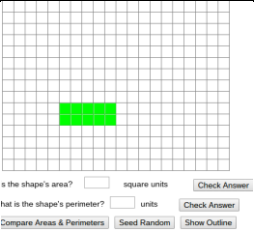
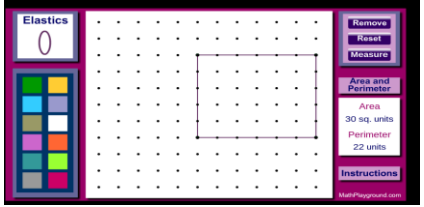
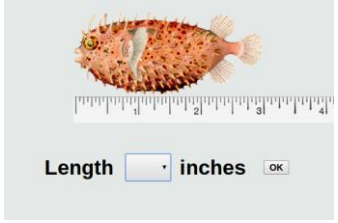
<p>the alignment of the C2.0 standards. the development of conceptual understanding. material that supports teaching. collaboration among students.</p>	<p>the accessibility for all students. the quality of instructional and practice exercises. quality interactivity. opportunities for deeper learning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

Website	Indicator/Week/MT	Description
 <p>Multiplication using partial products -2 digit by 1 digit</p>	<p style="text-align: center;">1.4.C.5 Weeks 1 - 4 NBT</p> <p>Provides formative data based on multiple attempts</p>	<ul style="list-style-type: none"> ● Supports 2 digit by 1 digit multiplication using the partial products method ● Language in "Level Selection may be confusing but concepts are clear ● Includes multiple levels for differentiation ● Best used in small groups as independent or partner work


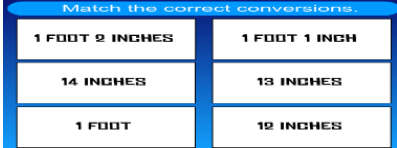
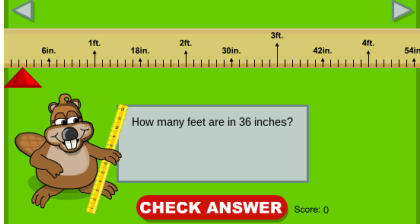



 <p>Multiplication using partial products- 3 digit by 1 digit</p>	<p>1.4.C.5 Weeks 1 - 4 NBT Provides formative data based on multiple attempts</p>	<ul style="list-style-type: none"> ● Supports 3 digit by 1 digit multiplication by using the partial products method ● Language in "Level Selection" may be confusing but concepts are clear ● Includes multiple levels for differentiation ● Best used in small groups as independent or partner work
 <p>Multiplying 4 digits by 1 digit using models</p>	<p>1.4.C.5 Weeks 1 - 4 NBT Provides immediate feedback and formative data based on single attempt</p>	<ul style="list-style-type: none"> ● Supports the use of area models to multiply a whole number of up to four digits by a one-digit number ● Models partial products strategy ● Best used independently ● It is recommended to have calculator or pencil and paper near for scratch work
 <p>Split and Conquer</p>	<p>1.4.C.5 Weeks 1-4 NBT</p>	<ul style="list-style-type: none"> ● Students break apart numbers in order to multiply two digits numbers together ● Good use of area models ● Students receive immediate feedback ● Teachers need to sign up for a <u>free</u> account
 <p>Perimeter and Area</p>	<p>2.4.A.3 Weeks 3 & 9 MD</p>	<ul style="list-style-type: none"> ● Supports the use of rectangular arrays to solve for perimeter and area using formulas ● Includes multiple levels ● Provides immediate feedback ● For use independently or as partner work



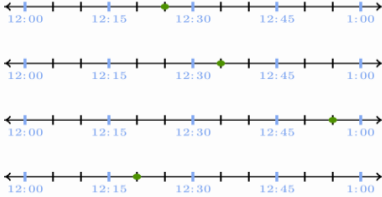


 <p>Perimeter and Area</p>	<p>2.4.A.3 Weeks 3 & 9 MD</p>	<ul style="list-style-type: none"> ● Supports the use of rectangular arrays to solve for perimeter and area using formulas ● Open-ended tool ● Be sure to select “Area & Perimeter” in drop down menu
 <p>Perimeter and Area</p>	<p>2.4.A.3 Weeks 3 & 9 MD</p>	<ul style="list-style-type: none"> ● Supports the use of arrays and grids to represent and solve area and perimeter problems ● Used independently or in pairs ● Select function for “only rectangular shapes”
 <p>Finding area and perimeter using a geoboard</p>	<p>2.4.A.3 Weeks 3 & 9 MD</p>	<ul style="list-style-type: none"> ● Supports the calculation of area and perimeter through a virtual geoboard ● Students move the elastic band to create shapes and measure shapes ● Immediate feedback provided ● Can be used independently or in pairs
 <p>That Quiz- Measurement</p>	<p>2.4.A.1 Week 4 MD</p> <p>Provides formative data to guide instruction based on a single attempt</p>	<ul style="list-style-type: none"> ● Supports the accurate ruler measurement of cm and inches through an interactive ruler ● If supplied a 2 column chart, students can be asked to convert objects to larger measurements (feet/meters) by multiplying by a specified number ● Immediate feedback and timer optional


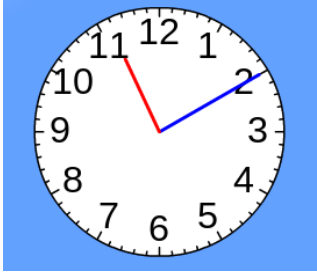
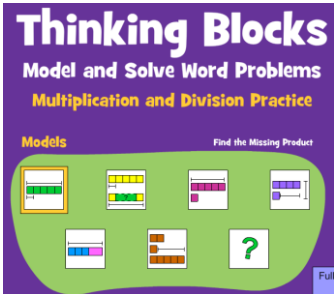


 <p>Measurement- Time</p>	<p>2.4.A.1 Week 4 MD</p>	<ul style="list-style-type: none"> ● Supports converting between unit measurements of time and determining elapsed time ● Highly engaging video game format with option to skip to selected segments ● Suggested use: Have students record times in order to later manipulate using a provided elapsed time ● Partner or independent practice friendly ● Headphones useful to hear audio explanation of missions
 <p>Measurement- Customary and Metric Units</p>	<p>2.4.A.1 Week 4 MD</p> <p>Provides immediate feedback and formative data based on single attempt</p>	<ul style="list-style-type: none"> ● Supports the practice of measurement equivalencies in many different units ● Used independently
 <p>The Ruler Game</p>	<p>2.4.A.2 Week 4 MD</p> <p>Provides formative data based on based on a single attempt</p>	<ul style="list-style-type: none"> ● Supports the use of a ruler to express measurements in a larger unit in terms of a smaller unit ● Provides immediate feedback ● Best used independently
 <p>Division - Chunking</p>	<p>1.4.C.6 Weeks 5 - 7 NBT</p>	<ul style="list-style-type: none"> ● Features partial quotients format of division ● Students can check their work via self-checking feature ● Language does not align with curriculum (ie. chunking) ● Best used by individuals or partners

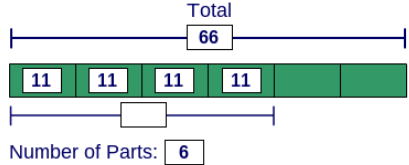
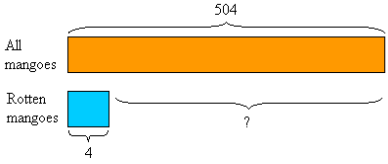


 <p>Multi-digit division using area models</p>	<p>1.4.C.6 Weeks 5 - 7 NBT</p> <p>Provides formative data based on single attempt</p>	<ul style="list-style-type: none"> ● Reinforces division using area models ● Multi-digit by 1 digit ● Features a self-checking feature ● Videos accompany the practice feature ● May be used by individuals or partners
 <p>Division using place value understanding</p>	<p>1.4.C.6 Weeks 5-7 NBT</p> <p>Provides immediate feedback and formative data based on a single attempt</p>	<ul style="list-style-type: none"> ● Supports the decomposition of dividends to divide by a one-digit divisor ● Videos accompany the practice ● May be used independently or in pairs
 <p>Time word problems using number lines</p>	<p>2.4.A.4 Week 8 MD</p> <p>Provides immediate feedback and formative data based on single attempt</p>	<ul style="list-style-type: none"> ● Supports the use of a number line to solve word problems involving intervals of time ● Use independently ● Includes video tutorials for help



 <p>Online Money Game</p>	<p>2.4.A.2 Week 8 MD</p> <p>Provides immediate feedback and formative data based on a single attempt</p>	<ul style="list-style-type: none"> ● Supports the use of virtual money to solve measurement word problems involving money ● Best used independently
 <p>Adding time word problems</p>	<p>2.4.A.2 Week 8 MD</p>	<ul style="list-style-type: none"> ● Supports the use of analog or digital clock to solve word problems involving intervals of time ● Includes various parameters and level choices ● Best used independently or in pairs ● Provides immediate feedback
 <p>Model and solve word problems- multiplication and division</p>	<p>1.4.B.3 Week 9 OA</p> <p>Provides immediate feedback and formative data based on multiple attempts</p>	<ul style="list-style-type: none"> ● Supports the use of bar diagram models to represent and solve word problems using multiplication and division ● Includes different types of problems and various levels ● Can be used independently or in pairs



<p>Build Your Model</p>  <p>Thinking Blocks- Multiplication and Division Word Problems</p>	<p>1.4.B.3 Week 9 OA</p>	<ul style="list-style-type: none"> ● Supports the use of number lines for multiplication and division word problems ● Useful for independent practice ● Includes video tutorials for support ● Provides opportunities for challenge or extension
 <p>Online Math Learning- Fourth Grade Math Problems</p>	<p>1.4.B.3 Week 9 OA</p>	<ul style="list-style-type: none"> ● Supports the use of bar models to represent word problems with mixed operations ● Provides scaffolded & video examples ● Best used with small groups and student whiteboards
<p>Additional Materials:</p> <p>Wolfram Alpha : 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 interactive online math tools referenced on the instruction center.</p> <p>Matific : 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</p>		



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.

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.”





Summer Summit 2015 MCEA/OCIP