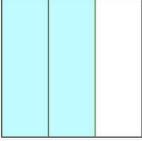


Multiplication Tables Master	Arrays Master	Counting Master	Multiplicative Master	Fraction Master	Partitioning Master	Read and Write Master	Renaming Master
<p>Recite 2, 3, 4, 5, 6, 10 multiplication tables.</p> <p>Example: 6 groups of 3 4 groups of 10 5 groups of 2</p>	<p>Calculating the number of dots in a rectangular pattern, using multiplication.</p> <p>Example:</p>  <p>$4 \times 6 = 24$</p>	<p>Skip counting by 3, 4 and 6.</p> <p>Example: 3,6,9,12.....30 4,8,12,16....40 6,12,18,24...60</p>	<p>Students need to describe a method for finding a solution that requires multiplicative thinking, that is they use repeated addition or multiplication facts.</p> <p>Example: There are 6 lolly bags and there are 10 lollies in each, how many lollies all together?</p>	<p>Students are able to identify what fraction of a shape has been shaded.</p> <p>Example: Name the fraction?</p> 	<p>Students are asked to fold a square of paper into sections and then colour certain fractions.</p> <p>Example: Fold your paper into thirds. Colour two thirds.</p> 	<p>Students are asked to read and write numbers to 999,999</p> <p>Example: Ask students to read: 2340 200 587 99 234 801208 Ask students to write: 2410 99 349 554 503 823 910</p>	<p>Students need to demonstrate they know that 1237 is made of: 1 thousand, 2 hundreds, 3 tens, 7 ones OR 12 hundreds and 37 ones</p> <p>Example: 1 hundred and 9 tens is 13 tens and 7 ones is</p> <p>340 is ___ hundreds and ___ tens 506 is ___ tens and ___ ones</p>
<p>Ideas: Recite the multiplication tables.</p> <p>Print or make a multiplication tables chart.</p>	<p>Ideas: Look for arrays in everyday life, eggs, muffins, cupcakes in cartons. Ask your student to calculate using multiplication of rows and columns.</p> <p>Make/download flash cards with different arrays.</p>	<p>Ideas: Practise reciting the multiplication tables.</p> <p>Write the number pattern down. Place an object over one or two numbers and the student has to count and discover what the covered numbers are.</p>	<p>Ideas: Make up questions like the example above for the student to work out. Ask the student how they got their answer and what strategy they used. Encourage them to use multiplicative thinking which is repeated addition is.</p>	<p>Ideas: Locate fractions in the real world. (Pizza/cake/windows/chocolate bars, liquid bottles.) Allow students to break/fill objects up into different fractions. Allow them to explore the amounts eg. 2 quarters will equal a half. Remember all sections must be equal.</p>	<p>Ideas: Ask students to fold paper into different fractions. eg. fold this into thirds and colour 2 thirds. (remember the parts must be equal sizes)</p>	<p>Ideas: Ask students to write numbers to 999, 999.</p> <p>Identify large numbers in real life (money etc.)</p> <p>Write numbers onto cards and play memory game, student must read number to keep pair.</p>	<p>Ideas: Ask students similar questions to the examples above.</p> <p>Students could use a Hundreds chart to help.</p> 
<p>Online Resources:</p> <p>Patty Paint Cars: http://www.multiplication.com/games/play/pattys-paints</p> <p>Fish Shop: http://www.multiplication.com/games/play/fish-shop-multiplication</p> <p>Sketchers World: http://www.multiplication.com/games/play/sketchers-world-multiplication</p>	<p>Online Resources:</p> <p>Space Arrays: http://www.harcourtschool.com/activity/space_arrays/</p> <p>Under the sea: http://www.learnalberta.ca/content/me3us/flash/lesson_launcher.html?lesson=lessons/08/m3_08_00_x.swf</p> <p>Arrays Game: http://www.snappymaths.com/multiplication/earlymultiplication/arrays/arraysframe.htm</p>	<p>Online Resources:</p> <p>Fruit Count: http://www.sheppardsoftware.com/mathgames/earlymath/FruitShoot_SkipCount.htm</p> <p>Bubble Pop: http://www.abcya.com/number_bubble_skip_counting.htm</p> <p>Skip Count Game: http://members.learnplanet.com/act/count/free.asp</p>	<p>Online Resources:</p> <p>Carl's Cookies: http://www.multiplication.com/games/play/carls-cookie-capers</p> <p>Camel Times Tables: http://www.bbc.co.uk/bit/size/ks1/maths/multiplication/play/</p>	<p>Online Resources:</p> <p>Fractions: http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks2/maths/fractions/level3.htm</p> <p>Choose the Pizza : http://www.mathwarehouse.com/games/fraction-games/fraction-frenzy-4/play-fraction-frenzy-4/</p> <p>Flag Designer: http://resources.oswego.org/games/fractionflags/fractionflags.html</p>	<p>Online Resources:</p> <p>Tutorial Game: http://www.sheppardsoftware.com/mathgames/fractions/fracTut1.htm</p> <p>Estimation: http://www.sheppardsoftware.com/mathgames/fractions/EstimateFractionsShapesShoot.htm</p>	<p>Online Resources:</p> <p>Tutorial Game: http://studyjams.scholastic.com/studyjams/jams/math/numbers/place-value.htm</p> <p>Millionaire: http://www.math-play.com/Place-Value-Millionaire/place-value-millionaire.html</p>	<p>Online Resources:</p> <p>Pac Math Man: http://www.sheppardsoftware.com/mathgames/placevalue/mathman_place_digit.htm</p> <p>How to teach renaming: http://www.education.vic.gov.au/school/teachers/teachingresources/discipline/math/s/continuum/Pages/renamethree225.aspx</p>