| Order Master	Multiplication Tables Master	Arrays Master	Counting Master	Multiplicative Master	Fraction Master	Read and Write Master	Renaming Master
Students are asked to order a series of numbers involving decimals down to hundredths **Example:** Order these decimal numbers from smallest to largest. 4.3 1.2 3.4 0.35 1.06 0.7 4	Recite 2, 3, 4, 5, 6, 10 multiplication tables. **Example:** 6 groups of 3 4 groups of 10 5 groups of 2	Calculating the number of dots in a rectangular pattern, using multiplication. **Example:** 4 x 6 = 24	Skip counting by 3, 4 and 6. **Example:** 3,6,9,12.....30 4,8,12,16....40 6,12,18,24...60	Students need to describe a method for finding a solution that requires multiplicative thinking, that is they use repeated addition or multiplication facts. **Example:** There are 6 lolly bags and there are 10 lollies in each, how many lollies all together?	Students are able to identify fractions within a shape, as well as create certain fractions by folding and colouring pieces of paper. **Example:** Name the fraction? **Example:** Fold your paper into thirds. Colour two thirds.	Students are asked to read and write numbers to 999,999 **Example:** Ask students to read: 2340 200 587 99 234 801208 **Ask students to write:** 2410 99 349 554 503 823 910	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 **Example:** 1 hundred and 9 tens is 13 tens and 7 ones is 340 is ___ hundreds and ___ tens 506 is ___ tens and ___ones
Ideas: Write down various whole and decimal numbers with tenths and hundredths and ask your student to put them in order. Convert tenths into hundredths to assist working out. Eg. 0.7 is 7/10 and if you multiply the numerator and denominator by 10 this fraction becomes 70/100. You can then compare this fraction to 0.35 which is 35/100.	**Ideas:** Recite the multiplication tables. Print or make a multiplication tables chart.	**Ideas:** Look for arrays in everyday life, eggs, muffins, cupcakes in cartons. Ask your student to calculate using multiplication of rows and columns. Make/download flash cards with different arrays.	**Ideas:** Practise reciting the multiplication tables. 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.	**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.	**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. **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)	**Ideas:** Ask students to write numbers to 999, 999. Identify large numbers in real life (money etc.) Write numbers onto cards and play a memory game, students must read numbers to keep pairs.	**Ideas:** Ask students similar questions to the examples above. Students could use a Hundreds chart to help.

Order Master	Multiplication Tables Master	Arrays Master	Counting Master	Multiplicative Master	Fraction Master	Read and Write Master	Renaming Master
Online Resources: Practice: Ordering Decimals Pop: https://www.softschools.com/math/ordering_numbers/ordering_decimals/	**Online Resources:** Practice: Patty Paint Cars: http://www.multiplication.com/games/play/pattys-paints Sketchers World: http://www.multiplication.com/games/play/sketchs-world-multiplication Neon Blocks: https://www.multiplication.com/games/play/neon-bricks-multiplication	**Online Resources:** Practice: Under the sea: https://www.learnalberta.ca/content/me3us/flash/lessonLauncher.html?lesson=lessons/08/m3_08_00_x.swf Arrays Game: http://www.snappymaths.com/multiplication/earlymult/interactive/arrays/arraysframe.htm Learn and Play: https://www.bbc.co.uk/bitesize/topics/zqbg87h/articles/z3tvcj6	**Online Resources:** Practice: Bubble Pop: http://www.abcya.com/number_bubble_skip_counting.htm	**Online Resources:** Videos to Watch: https://www.youtube.com/watch?v=MeidgzJNA2o Practice: Camel Times Tables sheet: http://downloads.bbc.co.uk/bitesize/ks1/maths/multiplication/worksheet_camel_times_tables_hard.pdf Multiplication with Arrays: https://www.iknowit.com/lessons/c-multiplication-with-arrays.html	**Online Resources:** Practice: Pizza Fraction Frenzy (easy) https://www.mathwarehouse.com/games2/fraction-games/fraction-frenzy.php Fraction Flags: https://www.math10.com/en/math-games/games/fractions/games-make-the-flag.html Build a fraction: https://phet.colorado.edu/sims/html/build-a-fraction/latest/build-a-fraction_en.html Build a fraction: https://toytheater.com/fraction-circles/ Match Fraction game: https://www.scootle.edu.au/ec/viewing/L2801/L2801/index.html Shark Games: https://ictgames.com/sharkNumbers/mobile/index.html Number Splat: https://www.tinytap.com/activities/g4fi/play/partitioning-number-splat	**Online Resources:** Practice: Tutorial Game: http://studyjams.scholastic.com/studyjams/jams/math/numbers/place-value.htm Millionaire: https://www.math-play.com/Place-Value-Millionaire/place-value-millionaire-game_html5.html	**Online Resources:** Videos to Watch: https://www.youtube.com/watch?v=i7lgWXKuhh0 Practice: Converting Numbers 10's 100's 1000's: https://au.mathgames.com/skill/2.20-convert-numbers-with-tens-hundreds-thousands Converting Numbers from expanded form: https://au.mathgames.com/skill/2.21-convert-from-expanded-form Which Equation is correct: https://au.mathgames.com/skill/3.10-convert-numbers-with-hundreds-thousands-millions Balancing Equations: https://au.mathgames.com/skill/4.6-convert-numbers-with-tens-hundreds-thousands Convert Between Place Value: https://au.ixl.com/maths/year-5/convert-between-place-values Place Value Word Problems: https://au.ixl.com/maths/year-3/place-value-word-problems