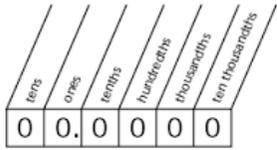| Counting Master	Multiplication Master	Mental Master	Decimal Order Master	Renaming Master	Fraction Order Master	Multiplicative Master
Ask students to count by: 7's to 70 8's to 80 9's to 90 **Example:** 7,14,21,28…70 8,16,24,32…80 9,18,27,36…90	Recite 7, 8 and 9 multiplication tables. **Example:** 3 groups of 7 4 groups of 8 6 groups of 9	Solving addition, subtraction and multiplication problems mentally **Example:** 78 – 39 13 x 6 Half of 68 200 divided by 40	Order decimals to thousandths on a number line. **Example:** 0.4 0.302 0.14 0.1 0.089 0.03	Knowing that 9.32 is made of 9 ones 3 tenths 2 hundredths **Or** 93 tenths and 2 hundredths **Example:** 3 hundredths and 4 ones is.. 2 hundredths and 8 tenths is.. 3.4 is ___ ones and ___ tenths 5.06 is ___ ones,_____ tenths and ___hundredths.	Students need to position fractions in order on a number line between 0 to 1. **Example:** 99/100 3/4 8/9 75/100 	Students need to describe a method for finding a solution that requires multiplicative thinking, that is they use repeated addition or multiplication facts. **Example:** If you have 27 dogs how many dog legs would there be altogether? How many dogs eyes?
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:** Recite the multiplication tables. Print or make a multiplication tables chart.	**Ideas:** Ask questions when possible Remind children to use the things they already know, such as doubles, tens mates, renaming to assist them.	**Ideas:** Write decimals up to thousandths onto 7 cards. Jumble them up and get students to rearrange into order from smallest to largest. Jumble again and reverse the order, largest to smallest .	**Ideas:** Ask students similar questions to the examples above. Students could use a Hundredths chart to help. 	**Ideas:** Write fractions on cards as above examples. Jumble them up and get students to rearrange into order on a number line between 0 to 1.	**Ideas:** Get students to show their working out to multiplication questions. It will involve them breaking the problem into steps. Using strategies which involve multiplication / division. 27 x 4 = 108 legs 27 x 2= 54 legs
Online Resources: Fruit Count: http://www.sheppardsoftware.com/mathgames/earlymath/Fruit_shoot_SkipCount.htm Bubble Pop: http://www.abcya.com/number_bubble_skip_counting.htm Skip Count Game: http://members.learningplanet.com/act/count/free.asp	**Online Resources:** Patty Paint Cars: http://www.multiplication.com/games/play/pattys-paints Fish Shop: http://www.multiplication.com/games/play/fish-shop-multiplication Sketchers World: http://www.multiplication.com/games/play/sketchs-world-multiplication	**Online Resources:** Quick Maths (Hard): http://www.mathwarehouse.com/games/our-games/arithmetic-games/quick-calculate-game/play-quick-calculate-game/ Math Short Cuts: http://freestylemind.com/mental-math-tricks	**Online Resources:** Order Decimals: http://www.sheppardsoftware.com/mathgames/decimals/CompareDecimals.htm Decimal Order: http://www.sheppardsoftware.com/mathgames/decimals/BalloonPopDecimals1.htm	**Online Resources:** Fruit Squash: http://www.sheppardsoftware.com/mathgames/placevalue/FS_place_value_decimal.htm Mix and Match (Tenths): http://www.sheppardsoftware.com/mathgames/decimals/DecimalModels10.htm Mix and Match (Hths): http://www.sheppardsoftware.com/mathgames/decimals/DecimalModels.htm	**Online Resources:** Fraction Order: http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks2/maths/fractions/level4.htm Order Fractions: http://www.bbc.co.uk/skillswise/game/ma17frac-game-ordering-fractions Adventure Fractions: http://www.topmarks.co.uk/Flash.aspx?a=activity07	**Online Resources:** Grand Slam: http://www.mathplayground.com/GrandSlamMath2.html Monster Crossing: http://members.learningplanet.com/act/mc/free.asp?contentid=4105