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| **Counting Ranger Test** | **Multiplication Ranger Test** | **Mental**  **Ranger Test** | **Decimal Order Ranger Test** | **Renaming Ranger Test** | **Fraction Order Ranger Test** | **Multiplicative Ranger Test** |
| 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> |