BROWN BELT MATHS MASTER

Multiplication Tables Master	Recite 2, 3, 4, 5, 6, 10 multiplication tables. **Example:** 6 groups of 3 4 groups of 10 5 groups of 2	**Ideas:** Recite the multiplication tables. Print or make a multiplication tables chart.	**Online Resources:** **Hit the Button** https://www.topmarks.co.uk/maths-games/hit-the-button **Coconut multiples:** https://www.topmarks.co.uk/times-tables/coconut-multiples
Arrays Master	Calculating the number of dots in a rectangular pattern, using multiplication. **Example:**  4 x 6 = 24	**Ideas:** Look for arrays in everyday life, eggs, muffins, cupcakes in cartons. Ask your child to calculate using multiplication of rows and columns. Make/download flash cards with different arrays.	**Online Resources:** **The Array:** https://www.abc.net.au/education/the-array/13828058 **3 in a Row:** https://www.lovemaths.me/operations-36
Counting Master	Skip counting by 3s, 4s and 6s. **Example:** 3,6,9,12…30 4,8,12,16…40 6,12,18,24…60	**Ideas:** Practise reciting the multiplication tables. Write the number pattern down. Place an object over one or two numbers and the child has to count and discover what the covered numbers are.	**Online Resources:** **Counting Games:** https://www.abcya.com/games/number_bubble_skip_counting **Skip Counting Something:** https://www.lovemaths.me/number-36

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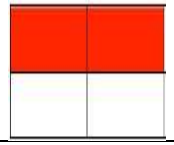
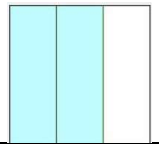
Multiplicative Master	Children need to describe a method for finding a solution that requires multiplicative thinking, that is they use repeated addition or multiplication facts. **Example:** There are 6 lolly bags and there ae 10 lollies in each, how many lollies all together?	**Ideas:** Make up questions like the example above for the child to work out. Ask the child how they got their answer and what strategy they used. Encourage them to use multiplicative thinking which is repeated addition is.	**Online Resources:** Multiplicative Games: https://www.topmarks.co.uk/maths-games/hit-the-button **10 Factors:** https://www.lovemaths.me/operations-36
Fraction Master	Children are able to identify what fraction of a shape has been shaded. **Example:** Name the fraction 	**Ideas:** Locate fractions in the real world. (Pizza/cake/windows/ chocolate bars, liquid bottles.) Allow the child 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.	**Online Resources:** **Half, More or less:** https://www.lovemaths.me/number-36 **Fraction Games:** https://toytheater.com/fraction-circles/
Partitioning Master	Children are asked to fold a square of paper into sections and then colour certain fractions. 1/3, ¼, 1/6, 1/8, 1/2 **Example:** Fold your paper into thirds. Colour two thirds. 	**Ideas:** Ask the child to fold paper into different fractions. e.g. fold this into thirds and colour 2 thirds. (Remember the parts **must** be equal sizes)	**Online Resources:** Partitioning Games: https://www.lovemaths.me/operations-36

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Reading & Writing Master	Children are asked to read and write numbers to 999,999. **Example:** Ask children to read: 2340 200 587 99 234 801208 Ask children to write: 2410 99 349 554 503 823 910	**Ideas:** Ask children to write numbers to 999, 999. Identify large numbers in real life (money etc.) Write numbers onto cards and play memory game, children must read number to keep pair.	**Online Resources:** **From Here to There:** https://www.lovemaths.me/number-36 **Greater Than:** **https://www.lovemaths.me/number-36**
Renaming Master	Children 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:** Ask children similar questions to the examples above. Children could use a hundreds chart to help.  	**Online Resources:** **Double Hat Trick**: https://www.lovemaths.me/number-36 - Direct link to Number Games year 3-6