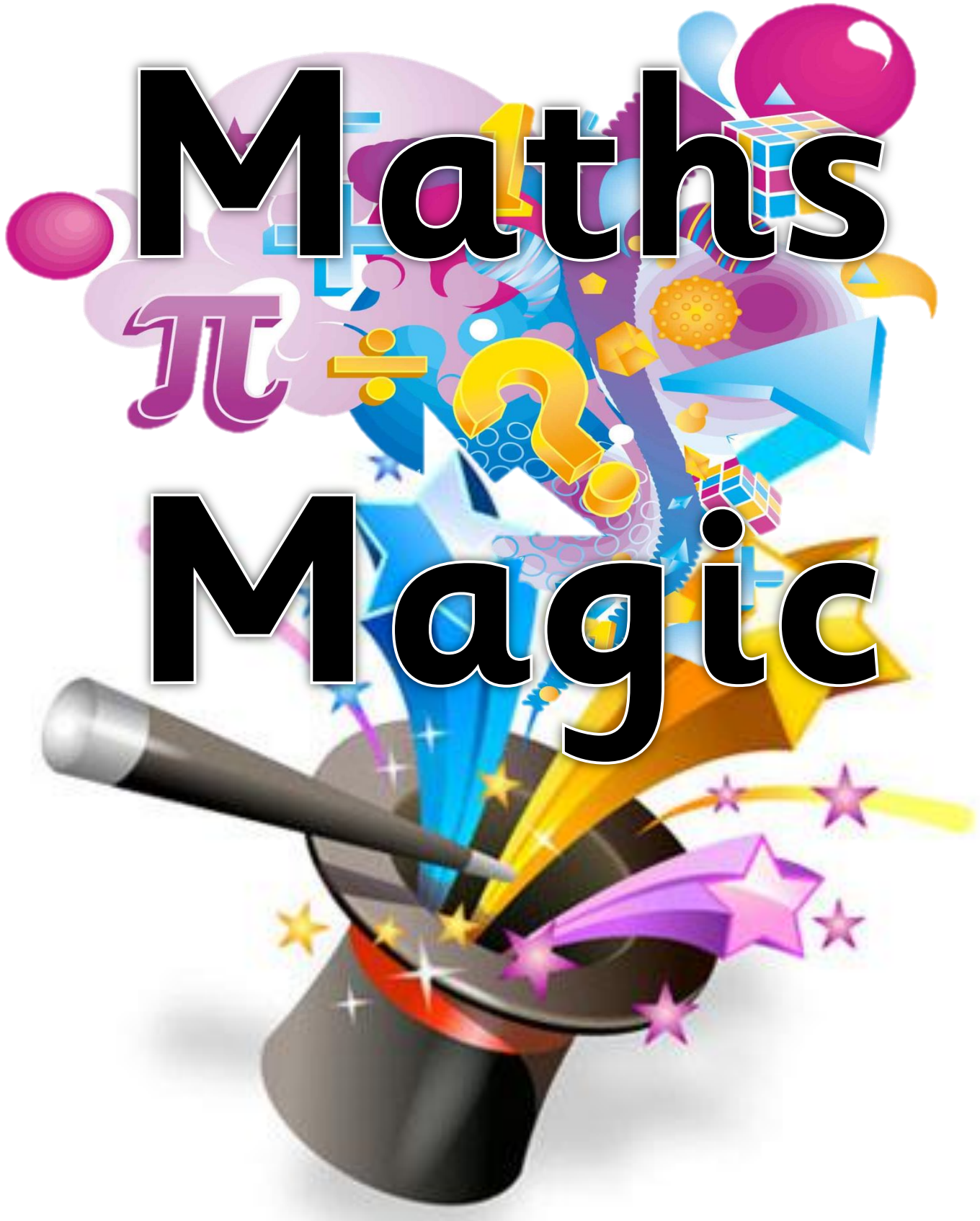
Carrant Brook Junior School

Maths Magic



MathMagician's Apprentice

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Welcome to the MathMagician's Apprentice stage! Here you will consolidate knowledge of addition and subtraction by counting on and back in different intervals. The first 3 targets focus on counting back in 2s, 5s or 10s. This involves counting from any number, not just the multiples of 2, 5 and 10. For example when counting back in 5s you might start at 42, giving a sequence of 42, 37, 32, 27, 22 .. etc.

Once this is secure you will move on to recognising number bonds that total 20 and 100. Remember this means practising number bonds for any number up to 20 and multiples of 10 up to 100. For example the number bonds to 17 would be 1 and 16, 2 and 15, 3 and 14 etc. and number bonds to 60 would include 10 and 50, 20 and 40 etc.

As a MathMagician's Apprentice you will continue to develop your knowledge of multiplication and division facts. You will learn the multiplication facts for the 3 and 4 times tables on this stage. It is very important to learn both facts so that you know that 3 x 4 = 12, but also that 12 ÷ 3 = 4. There are lots of ways to learn the tables, like singing, chanting or playing times tables games. You should know all of the facts off by heart and in any order, so that you could give the correct answer if asked, "What is 3 x 8?" Remember to keep practising all of the multiplication and division facts that you learnt in your stage.

Finally you will use your knowledge of counting on and back to add or subtract any single digit from a 2-digit number. You could do this by partitioning, for example 153 + 9, in your head partition the 9, using your knowledge of number bonds you first do153 + 7 = 160, then count on 2 more to give the answer 162.

Target	1st	2nd	3rd
I can count back in 2s from any number up to 50			
I can count back in 5s from any number up to 50			
I can count back in 10s from any number up to 100			
I know by heart all number bonds that total 20			
I know by heart all bonds of multiples of 10 up to 100			
I know by heart doubles of all numbers to 20			
I know by heart halves of numbers to 10			
I can recognise multiples of 2, 5, 10 up to 1000			
I know by heart all multiplication facts for 3 up to x 12 and all division facts for 3 up to 36			
I know by heart all multiplication facts for 4 up to 4 x 12 and all division facts for 4 up to 48			
I can mentally add a single digit to any 2-digit number			
I can mentally subtract a single digit from any 2-digit number			