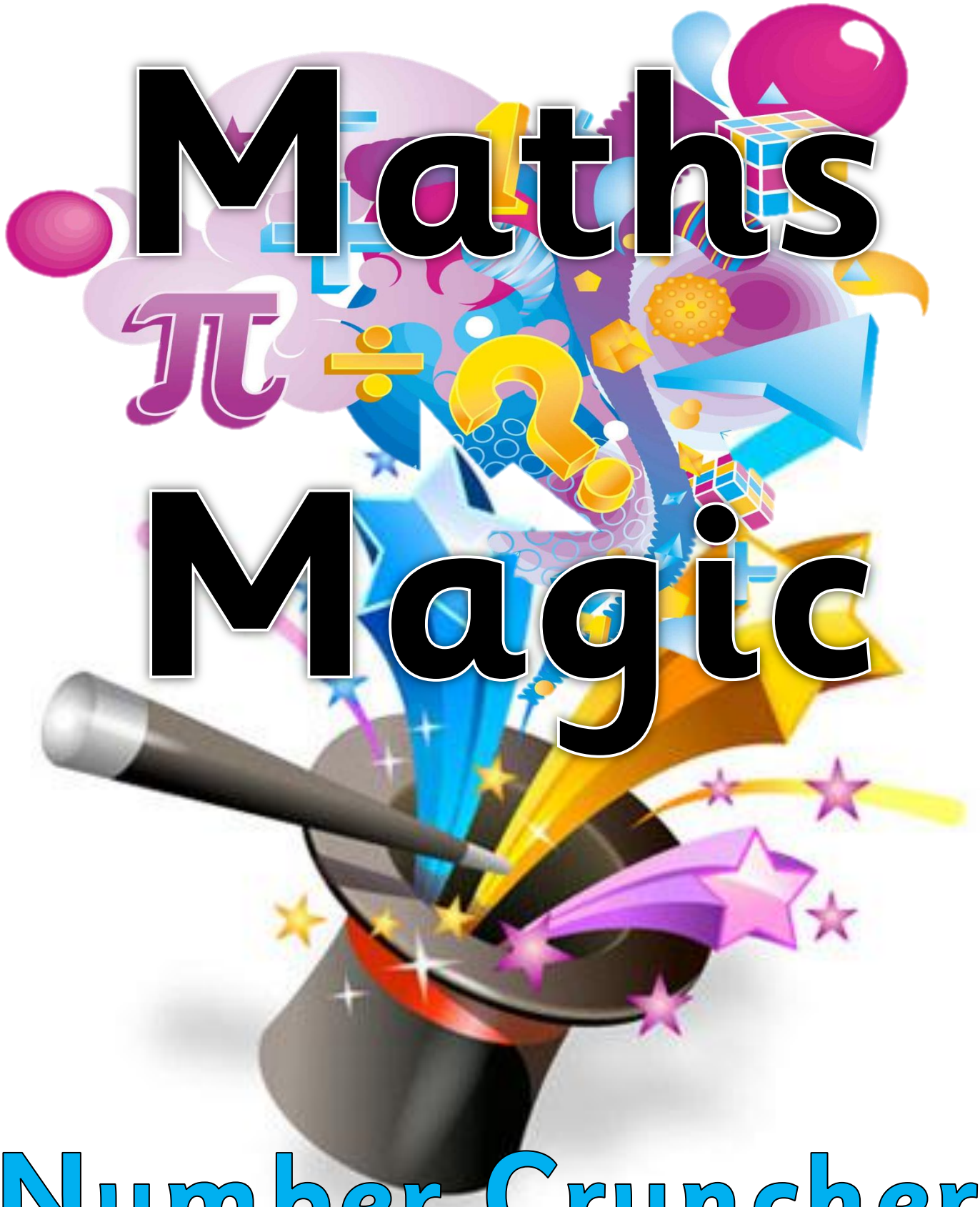
Carrant Brook Junior School

Maths Magic



Number Cruncher

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Welcome to the Number Cruncher stage! Here you will consolidate your knowledge of place value, by finding one more or less. This should be done quickly and in your head. Once this is secure you will move on to recognising number bonds that total 10. Remember this means practising number bonds for any number up to 10 as well as bonds that total 10. For example the number bonds to 10 would include 1 and 9; 2 and 8; 3 and 7 etc. You will also practise bonds for all single digit numbers, for example the number bonds to 6 are 1 and 5; 2 and 4; 3 and 3.

While on this stage you will consolidate knowledge of addition and subtraction by counting on in different intervals. The targets focus on counting in 2s, 5s or 10s. This involves counting from any number, not just the multiples of 2, 5 and 10. For example when counting in 5s you might start at 16, giving a sequence of 16, 21, 26, 31, 36...etc.

As a Number Cruncher you begin to develop your knowledge of multiplication and division facts. You will learn the multiplication facts for the 2, 5, and 10 times tables off by heart. It is very important to learn both facts so that you know that 2 x 4 = 8, but also that 8 ÷ 2 = 4. There are lots of ways to learn the tables, like singing, chanting or playing times tables games.

You might start by practising the multiplication facts in order, for example 1 x 2 = 2, 2 x 2 = 4. However 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 6 x 2?”

Target	1st	2nd	3rd
I can say 1 more than any number between 0 and 20			
I can say 1 less than any number between 0 and 20			
I know by heart all number bonds to ten			
I can share objects into equal groups			
I can count up in twos to at least 20 from any number			
I can count in fives to at least 50 from any number			
I can count in tens to at least 100 from any number			
I know by heart all multiplication facts for 2 up to 2 x 12 and all division facts for 2 up to 24			
I know by heart all multiplication facts for 5 up to 5 x 12 and all division facts for 5 up to 60			
I know by heart all multiplication facts for 10 up to 10 x 12 and all division facts for 10 up to 120			