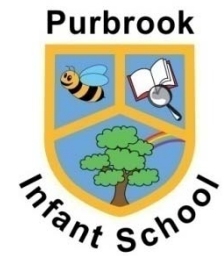


PURBROOK INFANT SCHOOL
ALDERMOOR ROAD EAST, PURBROOK PO7 5NQ
Telephone: 023 9261 0761
Email: adminoffice@purbrook-inf.hants.sch.uk
Headteacher: Lisa A de Carteret
Deputy Headteacher: Lara G Jelliff
Administrative Officer: Hazel K Dean



25 April 2018

Dear Parent/Carers of children in Year One

Number bond challenges - home learning

I am writing to inform you about a challenge we are introducing to support our children in learning mathematical facts. We have devised a 'Number Bond Challenge' that the children can work on and which will help build their numerical fluency. The National Curriculum places great emphasis on children knowing number facts. One of the most important sets of mathematical facts is 'Number Bonds'. A number bond is a pair of numbers that add up to another number. The number bond for 7, for example, is – 0+7, 1+6, 2+5 or 3+4. A child who learns these numbers add up to 7 will quickly see that if you reverse them to 7+0, 6+1, 5+2 or 4+3 they also make 7. Number bonds provide a mental picture of the relationship between two numbers. These mental pictures are the key to enabling your child to do mental arithmetic. Knowing addition number bonds means that your child is likely to understand subtraction with greater ease. If they know that 3+4=7 they will quickly realise that when they see 7-4=?, the answer is 3 because by a process of elimination 3 is the missing number in this number bond. It helps children to see that subtraction is the inverse of addition. They begin to see the patterns in numbers and to learn mathematical principles rather than having to memorise each individual fact. Number bonds are the foundation blocks your child needs in order to make good progress with maths.

Parents can help at home by practising number bonds with their children (the progression of the tests can be found below). Children will be offered opportunity to gain certificates at each level when they feel confident to do so. We have put some links on the school website which you might find useful. Please go to the parents/useful documents page and scroll down to Year 1/Number Bond Challenge or click on the following link [Number Bond Challenge](#) where you will see Save the Whale, Number Bonds 10 and Make 10 the Top of the Class.

Level 1 - Bonds of 2,3 and 4	Level 2 - Bonds of 5 and 6	Level 3 - Bonds of 7
Level 4 - Bonds of 8	Level 5 - Bonds of 9	Level 6 - Bonds of 10
Level 7 - Bonds of 20	Level 8 - Bonds of teen numbers	Level 9 - Using bonds to solve subtraction problems
Level 10 - Using number bonds up to 20 to solve word problems		

We intend to offer weekly opportunities for children to show us what they have learnt. Children who are 100% successful will be awarded at each level.

Examples of each test will be available to view on our school website. Go to the parents/useful documents page and scroll down to Year 1/Number Bond Challenge or click on the following link [Number Bond Challenge](#).

Yours sincerely

Mrs L. A. de Carteret
Headteacher