Maths Challenges Summer Term 2019-2020
Week 3

Focus	Challenge 1	Challenge 2	Challenge 3
Number patterns **To develop confidence counting in different multiples**	• Put socks, shoes or toys into pairs and count multiples of 2 • Work out if you have an odd or even number of items in a drawer or cupboard • Make sets of 5 items (eg group cutlery or toys into groups of 5) and count 5, 10, 15…recording the final count • Throw a ball to a member of your family counting in x2 or x5 (eg Your partner throws the ball, you catch and say '2', you throw back and your partner says '4' etc) • Make up some word problems (eg If I had 12 socks, how many pairs would that be? How many sets of 5 can I make with 20 books?)	• Count out 30 household items and arrange in multiples of 2 or 5 • Write down number sequences in 2s and 5s. Practise reading these forwards and backwards • Throw a ball to a member of your family counting in x2 or x5 from any given start point (eg Your partner throws the ball, you catch and say '22', you throw back and your partner says '24' etc) • Make up some word problems (eg If I had 30 shoes, how many pairs would that be? How many sets of 5 can I make with 50 marbles?) • Write down any number and work out if it is a multiple of 2, 5 or 10 (remember multiples of 10 end in 0 and multiples of 5 end in 5 or 0). Check using a calculator.	• Count out 36 household items and arrange in multiples of 2, 3 or 4. • Write down number sequences in 2s, 3s and 4s. Practise reading these forwards and backwards. Are there any common factors (ie same numbers in each sequence)? • Throw a ball to a member of your family counting in x3 or x4 (eg Your partner throws the ball, you catch and say '3', you throw back and your partner says '6' etc) Try doing this in reverse (eg 30,27..) • Make up some word problems (eg If I had 24 pebbles, how many multiples of 2, 3 or 4 would that be?) • Write down any number and work out if it is a multiple of 2, 3 or 4 by using a calculator and dividing by 2, 3 or 4 • Can you make number patterns x10 bigger (eg 20,40,60 or 30, 60, 90…)? What about x100 bigger? Or a 1000?