

Year 2 w/c 15th June 2020

Note to parents and carers: This week we are learning about Multiplication

It would be helpful if the children had something they could use to represent the numbers and make arrays this week: cubes, coins, marbles, building blocks etc. Understanding how arrays represent multiplication is very important. It is essential the children also understand that Multiplication is commutative (can be done either way round $2 \times 6 = 12$ and $6 \times 2 = 12$). Knowing the 2x 3x 5x and 10x tables by the end of year 2, and having **rapid recall** is also essential.

If your child needs to spend longer on arrays then please use the additional materials suggested under 'support'. Equally, if your child really understands this well, move through the lessons more quickly. There are materials for extension work on the plan below.

As always, please refer to our Calculations Policy on the school website for further guidance.

Thank you

Mrs Wibroe and Mrs Brown

Sessions	Learning objective	Task	Support/ Extension activities
1	To understand multiplication as repeated addition.	<p>Please use the lesson from 18th May from BBC Bitesize for today.</p> <p>Watch the first video. We would usually use cubes or something to represent the numbers in order to support the children's understanding here.</p> <p>The second video emphasise the need for equal groups.</p> <p>Complete sheet and game.</p> <p>There is also a sheet on our Home Learning maths area called 'Lesson 1 Repeated addition and multiplication'. There are different levels</p>	<p>Extension activities: Write these addition sentences a multiplication sentences.</p> <p>$10+10+10+5+5=$</p> <p>$2+2+2+4=$</p> <p>$2+2+4+4=$</p> <p>$5+5+5+2+3=$</p>

		(one star is the easiest). Please use for support and/or extension.	
2	To understand arrays as a representation of multiplication To understand that multiplication is commutative	Please use the lesson from 19 th May BBC Bitesize. The first activity is a video where Fin and Snoot show arrays for 3x4 and 4x3. The idea that multiplication is commutative is introduced here. Ensure your child knows the difference between a column and a row. Activity : Interactive task to make your own array. Activity 3: Worksheet on arrays Activity 4: Karate Cats game Check your child can describe and explain an array to you. Ask them why $3 \times 4 = 4 \times 3$? Are they using correct mathematical vocabulary?	For further support and practise of arrays please see the following: 'Lesson 2 Arrays' worksheet on Home Learning in the Maths area. Youtube has many videos showing arrays. https://www.youtube.com/watch?v=37ejU_8lcaY https://www.youtube.com/watch?v=ks-q6gKoQKs Extension: Arrays Challenge Cards in Home Learning Maths area.
3	To recall and use facts for 2x table.	Please see the lesson from 20 th May on BBC Bitesize about 2x table. The next two days' lessons are very straight forward. Please remind children of the following vocabulary arrays, commutative, rows, columns. Remember they need to know these number facts at speed so although the sums are 'easy' in terms of the numbers' size, children must have good recall. They must also be able to understand and explain what is actually happening in their calculations.	Jack Hartman videos on youtube for counting in 2s
4	To recall and use facts for 5x table	Please see the lesson from 21 st May on BBC Bitesize about 5x table .	Jack Hartman videos on youtube for counting in 5s

5	To solve word problems using multiplication	Complete Lesson 5 word problems sheet on Home Learning page. There are 3 different levels. Please encourage children to show their working out in jottings and to explain answers.	The sheets are at different levels today. 'Challenge Multiplication Cards' - all levels for further practice.
<p>CHALLENGES:</p> <p>TASK 1: Which has more biscuits? 4 packets of biscuits with 5 in each packet OR 3 packets of biscuits with 10 in each packet? EXPLAIN your reasoning.</p> <p>TASK 2: Task 2 Mixed tables word problems uses other times tables. Sheet is called 'Challenge Multiplication – mixed tables'. Children should use their knowledge of arrays and commutativity to solve these. Encourage children to show their workings out in jottings and explain how they reached their answers.</p>			