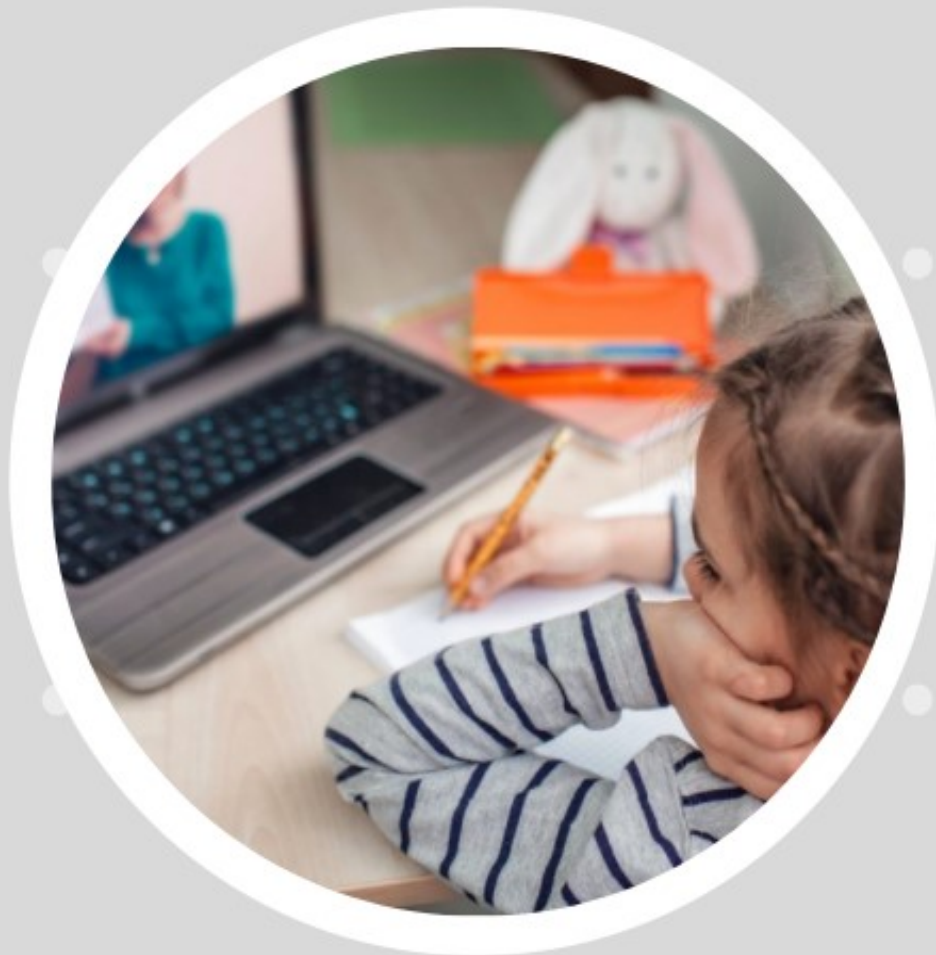




# YEAR 1

## *Maths at home for parents and carers*



THIS SHORT LEAFLET COVERS SOME OF THE CORE CONCEPTS AND IDEAS THAT YOUR CHILD WILL NEED TO KNOW THIS YEAR. YOU WILL FIND SUGGESTIONS FOR GAMES TO PLAY, ACTIVITIES TO COMPLETE AND WEBSITES TO ACCESS TO SUPPORT YOU, AS YOU SUPPORT YOUR CHILD..

# Equipment

Many of the activities included in this helpful leaflet will not require any special equipment. If you have access to online resources this will be useful but not essential when supporting your child.



# Websites

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                 |                                                                                                                                                                                                                     |                                                                                                                                                                                                     |
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| <br><a href="https://www.maths.org/multiplication-division-activities">Multiplication and Division KS1 (maths.org)</a><br>Multiplication and division activities | <br><a href="https://www.topmarks.co.uk/Hit-the-Button">Hit the Button - Quick fire maths practice for 5-11 year olds (topmarks.co.uk)</a><br><a href="https://www.topmarks.co.uk/Paint-the-Squares">Paint the Squares - Interactive Number Charts (topmarks.co.uk)</a> – Counting game | <br><a href="https://www.ictgames.com/ArcheryDoubles">Archery Doubles - mobile friendly (ictgames.com)</a><br>Doubling games | <br><a href="https://www.snappymaths.com/halves-and-quarters-interactive">Halves and Quarters Interactive (snappymaths.com)</a> | <br><a href="https://www.ictgames.com/FirepitFractions">Firepit Fractions (ictgames.com)</a><br>Fraction games |
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# Maths words and phrases

**Repeated addition** is **adding equal groups together**. It is also known as multiplication. If the same number is **repeated** then, we can write that in the form of multiplication

**Whole:** When we divide a **whole** into equal parts, each part is a **fraction** of the **whole**.

**Sequence** is a list of numbers or objects in a **special order**.

**Multiple** e.g. the multiples of 5 are all in the **5 times table**.

**Skip counting** is when you **count forwards or backwards** by a number other than 1.

**Remainders** means something which is **'left over'** or **'remaining'** e.g. 11 shared by 2 is 5 remainder 1.

# Key Learning 1 - Multiplication and Division

Count in multiples of 2, 5, 10.

Solve one-step problems involving multiplication and division.

## Games and Ideas

Count forward and backwards in 2s, 5s and 10s. Bounce a ball and count, use a skipping rope and count. Link this to a physical activity.



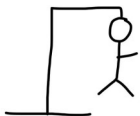
Count forwards in a multiple e.g. 10, 20, 30, 40, 60, 70, 80, 90, 100. Ask your child, 'what number did I miss out of the sequence? Did I count forwards or backwards?' Repeat with other numbers and let the children count and ask you what number they missed out.



Use household objects to show grouping e.g. 5 groups of 2 oranges. Ask them, 'how would you work out how many oranges there are in total?' Show the children how to skip count their answer – counting up in 2s, as this is the most efficient way of counting these groups. Remove one group of the oranges and ask, 'how many are there now?' Encourage them to use the same strategy of counting in 2s. Repeat this with other numbers. Always using the multiples of 2, 5 and 10 as children are familiar with counting in these numbers.



Play hangman, but with multiples of 2, 5 or 10. Show the children the blank lines, \_ \_ \_ \_ \_ and ask them to give you a starting number e.g. 10. Pop it in the sequence. Children may think it's multiples of 10, but it's actually multiples of 5 in this sequence. Keep guessing



until they complete the sequence. Repeat with other sequences.



Write some multiplication calculations e.g.

$$5 \times 2 = 20$$

$$10 \times 4 = 30$$

$$2 \times 9 = 16$$

$$5 \times 8 = 40$$



Ask the children if the answers are true or false and explain how they know. Repeat with division.



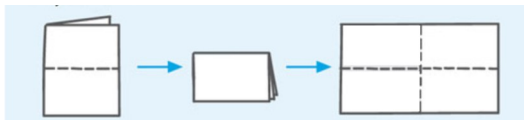
# Key Learning 2 - Fractions

Recognise and name a half as one of 2 equal parts of an object, shape or quantity.

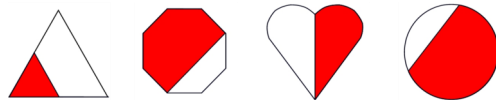
Recognise and name a quarter as one of 4 equal parts of an object, shape or quantity .

## Games and Ideas

Cut up some circles, squares and rectangles out of paper. Take the square and ask your child to fold it in half. Draw in the line to make it clear. They can then shade one half. Repeat this with one quarter.



Draw some shapes on paper and split them into two. Ask the children, which ones are split in half? If they are not equal, they are not half, make this clear to the children. You could try this with quarters too. They could also create their own.



Play bunny ears. How to play: Get your child to put two fingers on top of the right side of your head and say 2, then put 2 fingers on the other side and say 2 doubled is 4. Repeat this with other numbers.



Give your child a set of objects such as toy cars, teddies etc. Then give them some paper. Ask the children to share out e.g. 10 cars between the 2 pieces of paper. Then get the children to write this as a calculation.  $10 \div 2 = 5$ . Repeat and divide by 4 too as this is finding a quarter of an amount. Another way is to tell your child to half and half again. E.g. 20 halved is 10, half it again is 5, this is a mental strategy to find a quarter of an amount.



Use pennies to find one half and one quarter of an amount. Count out 14 pennies and ask them to find a half of them. They will do this by counting them out into 2 groups. They must be counted into equal groups. Count out 12 pennies and ask your child to find a quarter of them. They will do this by counting them into 4 groups. They must be equal groups. Only use numbers that don't have remainders.

