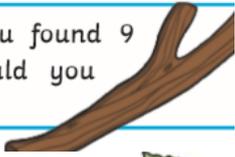
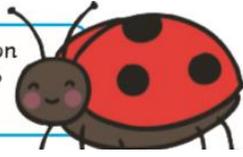
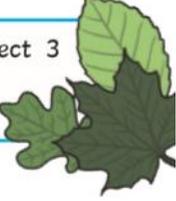
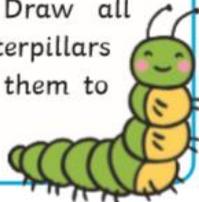
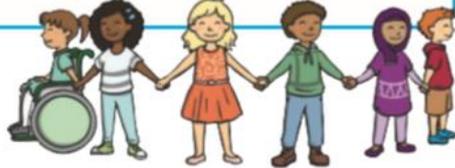


Year Reception Maths Distance Teaching and Learning

Week beginning: 18.05.20

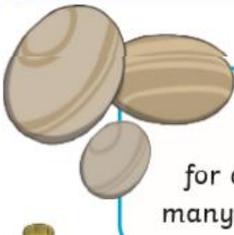
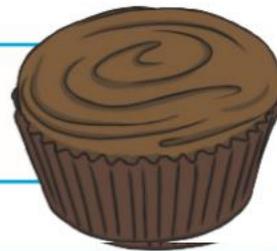
Lesson 1			
Learning Intention: WALT Double a number	Key Vocabulary: Count Double More than Bigger Same Equals Altogether	What you will need: A computer, tablet or phone Paper + Pencil Video: Maths Lesson 1	
Starter			
Number songs counting from 0-20 Counting in 2's			
Main Teaching			
Remember that double means adding the same number again. Adding a number to itself. e.g. If I have 2, to double it I need to add the same again, another 2. Double 2 equals 4. Can you explain what a double is? How could you show the double of a number? e.g. double 3 - show three fingers on one hand and three fingers on the other hand. Double 3 equals 6. You can also use a numberline to help you. start at one number and do the same number of jumps forward. Now we're going to add in a problem solving element...			
Independent Tasks			
<div style="border: 1px solid #00aaff; border-radius: 15px; padding: 10px;"> <p>Collect 9 sticks. If you found 9 more, how many would you have altogether?</p> </div> 	<div style="border: 1px solid #00aaff; border-radius: 15px; padding: 10px;"> <p>If a ladybird has 4 spots on one side and 4 spots on the other side, how many does she have in total? Double 4.</p> </div> 		
<div style="border: 1px solid #00aaff; border-radius: 15px; padding: 10px;"> <p>Collect 3 leaves outside. Collect 3 more. How many do you have altogether?</p> </div> 	<div style="border: 1px solid #00aaff; border-radius: 15px; padding: 10px;"> <p>Jordan made 6 cupcakes for her class, but she needs to make more. There are double that number of children in her class. How many cupcakes does she need in total? Can you make that many cupcakes?</p> </div> 		
<div style="border: 1px solid #00aaff; border-radius: 15px; padding: 10px;"> <p>Draw 7 caterpillars on a large leaf. Double the amount. How many caterpillars are there in total? Draw all the caterpillars and count them to check.</p> </div> 	<div style="border: 1px solid #00aaff; border-radius: 15px; padding: 10px;"> <p>Some preschool children visit your class for an afternoon. There are usually 10 children in your class but today there are double that amount. How many children are there altogether?</p> </div> 		
Review			
NUMBOTS - Challenge 3 (doubles up to 10), Challenge 7 (Doubles within 20)			

Lesson 2		
Learning Intention: WALT Write number sentences to show doubles	Key Vocabulary: Plus Equals Double The same Altogether	What you will need: A computer, tablet or phone Paper + Pencil Video lesson 2
Starter		
Doubles song - e.g. https://vimeo.com/109456096 Doubles rap e.g. https://www.youtube.com/watch?v=8jOzhiACB68		
Main Teaching		
<p>Recap - what is doubling? Can you explain what happens to a number when you double it? <i>You add the same number again, your total gets bigger.</i></p> <p>Today we are going to practise writing doubles as a number sentence. You can see doubles to six if you have dominoes at home or have a look at a picture - the same pattern on both sides of the domino is a double tile. e.g.</p>		
<p>You can make your own doubling machine at home - put in a number of objects one side, add the same number again.</p> <p>Can you record this as a number sentence? Remember the maths signs we use. When we are doubling we are adding the same number again so we need to use the addition sign + and make sure we are writing the same number twice. Before we write the total we need to remember the = sign.</p>		
Independent Tasks		
Challenge 1		
To make your own double machine, adding a number of objects, doubling the number and adding the same amount of objects again and recording it as a number sentence.		
Challenge 2		
Can you record the doubles from 0 to 5 and use practical equipment to help you.		
Challenge 3		
To record number sentences for all doubles from 0 to double 10.		
Challenge X		
<p>The double machine has broken! Can you find the missing doubles from the total e.g. 12, what was the double?</p> <p>___ + ___ = 12 (an adult could give you the answer and the children have to find the double! e.g. 6+6=12)</p>		
Review		
<p>https://mathsframe.co.uk/en/resources/resource/306/Maths-Fishing-Multiplication</p> <p>Go fishing, game number 1 to recall and use doubles of all numbers to 10. Click on the water to cast the fishing line. When the fish bite the line, click and solve the double number sentence to keep the fish. If children do not know their doubles then support them to find the answer using practical equipment, a number line or their fingers to find the total amount.</p>		

Lesson 3		
Learning Intention: WALT Find half of an object	Key Vocabulary: Same Equal Half Whole Part	What you will need: A computer, tablet or phone Paper + Pencil Video: Maths Lesson 3 Powerpoint halving
Starter		
Practise doubles on Numbots		
Main Teaching		
<p>What is halving? <i>Splitting into two equal groups</i></p> <p>Remember that when we were doubling a number, we were adding two equal groups. Now we are sharing a total into two groups.</p> <p>How can we make sure it is equal? - <i>Check each group has the same amount, it is fair.</i></p> <p>Can there be a bigger half? <i>No, it must always be equal, the same.</i></p> <p>How many groups do we need? <i>2 equal groups.</i></p> <p>Reinforce the concept of halving as sharing between two. Show an amount of objects and share them. Check that both have the same amount. IT MUST BE FAIR!!!</p>		
Independent Tasks		
Find the missing half and see the visual representation of half the amount.		
<div data-bbox="151 1332 622 1635" data-label="Image"> </div> <p>Two halves are equal. Two halves together make one whole.</p> <p>Can you find half of something? Can you draw two halves and the whole?</p>		
Review		
Find half of a real object at home - halve an apple? Explain what half means- two pieces, both equal, the same and together they make the whole amount.		

Lesson 4		
Learning Intention: WALT Halve a number	Key Vocabulary: Same Equal Fair Group Share Split	What you will need: A computer, tablet or phone Paper + Pencil Video: Maths Lesson 4
Starter		
https://www.bbc.co.uk/programmes/p017kztf A song about halves and halving. Everyday items such as chocolate, drinks, fruit, vegetables and numbers are cut in half to show the practical everyday use and the link between maths and the real world.		
Main Teaching		
<p>What is halving? <i>Splitting into two equal groups</i></p> <p>Remember that when we were doubling a number, we were adding two equal groups. Now we are sharing a total into two groups.</p> <p>How can we make sure it is equal? - <i>Check each group has the same amount, it is fair.</i></p> <p>Can there be a bigger half? <i>No, it must always be equal, the same.</i></p> <p>How many groups do we need? <i>2 equal groups.</i></p> <p>Reinforce the concept of halving as sharing between two. Show an amount of objects and share them. Check that both have the same amount. IT MUST BE FAIR!!!</p> <p>Doubling machine fault - (ensure the number of objects that have come out can be halved) for example you could have 6 bears, 10 cubes, 12 bricks, 8 beads and 16 pebbles all mixed up on the tray. Challenge the children to work out how many of each object went into the machine to produce the doubled amounts.</p> <p>Ask questions such as; "If I need 6 bears, how many do I need to put into the machine?" They will need to work out how to sort the objects into groups of the same object first, then split each group into 2 to work out what half of each number is. Although they are halving each group of objects, they will need to work out double of each group to check they are correct so they will be practising halving, doubling and sorting. This element of the activity is intended to provide the children with opportunity to apply their learning and to explore their own strategies for solving the problem. It is a good opportunity to allow the children to lead their own learning.</p>		
Independent Tasks		

April made 6 cupcakes and ate half of them. How many did she eat? How many did she have left? Can you draw a picture of the cupcakes April had left?



Count out 10 sticks or stones. Put half into the soil for animals to hide under and put half in a wooden box for an insect home. How many do you have in the box? How many in the soil?



There are 12 children in Mrs Peacock's class. Half of the children are girls. How many are girls? How many are boys?

If there were 16 cars in a car park at lunchtime and half were driven away, how many would be left in the afternoon? If you have some toy cars, you could work it out using those.



Draw 8 bottles of paint on a classroom shelf. Colour half the paint bottles in blue. How many are blue?



There are 22 footballers on a field and half of them are wearing red. How many footballers are in red? Draw 22 T-shirts and colour half in red to check.

Review

Watch Numberjacks - Half Time This will help to reinforce halving visually as a concept.
<https://www.youtube.com/watch?v=azVL530KCgA>

Lesson 5		
Learning Intention: WALT Share amounts equally	Key Vocabulary: Share Equal Fair	What you will need: A computer, tablet or phone Paper + Pencil Video lesson 5

Starter
Practise halving numbers - quick fire round, what is half of..... 10, 8, 6, 4, 2

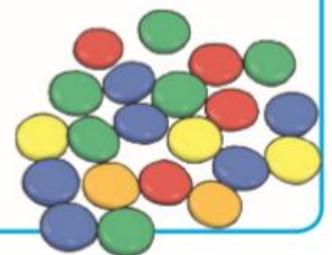
Main Teaching
What does it mean to share? *To share your toys, to be friendly, to let others join in and play, to make your game fair.*
When we share amounts make sure that it is fair and that each person gets the same amount. You can use practical equipment to help you and share one at a time from the total amount. Check that each person has the same amount.
Can you solve these number problems? Remember to read the problem carefully. How many do you have in total and how many are you sharing out to? Check that each has the same amount.

Independent Tasks

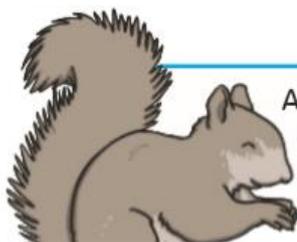


Cut up an apple into 8 slices.
If you shared it equally between yourself and a friend, how many pieces would you have each?

If a packet has 20 sweets in and you share them equally between you and 3 friends, how many will you get each? Draw 20 sweets on a sheet of paper, equally sharing them into the 4 corners of the paper. Count how many are in each corner.



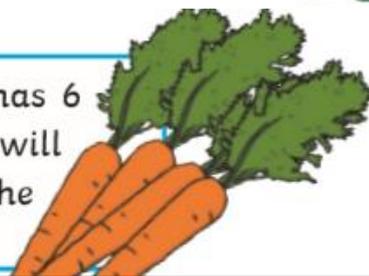
Share out 15 biscuits between your favourite 5 toys. How many biscuits does each toy have? Is it fair?



A squirrel collects 10 nuts to share between her 5 babies. How many nuts will each baby have? Draw the nuts to check.



Abed has 3 rabbits who love eating carrots. He has 6 carrots to share between them. How many carrots will each rabbit have? Draw 3 rabbits and share out the 6 carrots to check.



Review
Play a game at home, maybe have a teddy bears picnic. Can you solve some sharing problems? (e.g. dealing cards to players in a game, sharing food at a picnic).