



## Year Reception Maths Distance Teaching and Learning

Week beginning: 15.06.20

Lesson 1		
Learning Intention: WALT Explore the number 10.	Key Vocabulary: Add            Equals Total        Number sentence More        Fewer Less         Altogether	What you will need: A computer, tablet or phone Paper + Pencil Video: Maths Lesson 1 Two containers ( basket, bowl, box) + 10 objects
Starter		
<p><u>Practise</u> writing numerals 0-20.            Write them on paper and order the numbers to make a number line.  <i>Have a look at the number formation sheet to support the formation of each number.</i></p>		
Main Teaching		
<p><u>Practise</u> Think back to last week we were estimating amounts. How many pencils do you think I have here? Can you estimate? Remember when we estimate we need to have a good guess using what we know about number and using our eyes to look carefully.            Let's check by counting the pencils to see. We can show 11 in a different way. First I am going to count out 10. I am going to keep 10 in a bundle. 10 and one more than 10 equals 11. If I put one more pencil down how many would there then be? 12. We know that there are 10 in the bundle, add two more equals 12.</p> <p>Today we need to count out ten objects and find two containers. Let's count out our objects and check that we have 10.            How could we sort these objects? I could put all of the green things in one bowl and all of the other items in the other bowl. How will you sort yours?            Which bowl has the most objects in it? How many are there? How do you know? Can you count and check. 6. If there are 6 objects in one bowl, how many are in the other bowl, remember we had 10 altogether? Let's count to check. 4, there are 4 objects in the other bowl. I have split my objects into those that are green and those that are not green. I have 6 objects that are green and 4 objects that are not green. I'm going to put them all back together in one bowl. How many do I have in one bowl?            How else could I sort my objects? Remember there are now 10 objects in one bowl and 0 in the other bowl. Can you guess how I have sorted by objects now? I have sorted them by their use. I now have my building blocks in one bowl and my keys in another bowl. How many are in each bowl? Which bowl looks like it has more? Or do they look like they have the same? Can you check and count them? if there are 5 objects in one bowl, how many do you think will be in the other bowl? Remember we had 10 objects altogether. Let's check. 5 add 5 equals 10.</p>		
Independent Tasks		
Challenge 1		
To sort your 10 objects into two bowls and find out which has the <b>most</b> in it.		
Challenge 2		
Count how many objects in each bowl.		
Challenge 3		
How else could you sort your objects? Which has more and which has less?		
Challenge X		
Can you record the different ways as a written number sentence?		



Lesson 2		
Learning Intention: WALT Explore place value	Key Vocabulary: Add Total More Plus Tens frame	Equals Number sentence Numeral Altogether Count on
What you will need: A computer, tablet or phone Paper + Pencil Video lesson 2 Two tens frames 20 small objects		
Starter		
<u>Practise</u> - what number shall we show? Clap that amount, do that number of jumps, show it on your fingers, count out objects, show the numeral.		
Main Teaching		
<p>I've got some counters here. I wonder if you can estimate how many I have. Let's count them to check. 20. Now I know we can put our 20 counters into two groups of 10. 10 add 10 more equals 20.</p> <p>Today we are going to explore place value using objects. You will need two tens frames and 20 small objects. Your objects need to be the same. You could use seeds or raisins or counters, small lego bricks etc. You will also need your number cards to 10 that you made yesterday.</p> <p>Count ten of your objects onto your first tens frame. Place the numeral 10 next to the tens frame to show this 10. Now I am going to count 4 objects into the second tens frame. Place the numeral 4 next to this tens frame. How many objects are there altogether? Let's count them. 10 in the top tens frame add 4 in the bottom tens frame. We know that there are ten in the top tens frame so we can count on from ten putting the number 10 in your head and count on four more. We have 14 altogether. If you put the number 4 next to the number 10 can we show number 14? Do these two number cards now say number 14? 10 4. Let's see if we can change that. We know that there is one group of ten at the top, show number 1 and 4 in the tens frame below, show the number 4. This makes 14.</p> <p>What would happen if we add two more objects to the bottom tens frame? How many would there be? Let's add them and count. We know there are ten in the top frame so we can count on. There are 16 objects altogether. One group of ten add 6 more. 1 and 6 makes the numeral 16.</p> <p>Practise counting different amounts onto your tens frame and adding the number cards to show this amount. How many would there be if you added one more to this?</p>		
Independent Tasks		
Challenge 1		
Count ten objects into your tens frame.		
Challenge 2		
Add two objects onto the bottom tens frame.		
Challenge 3		
Count how many objects you have altogether.		
Challenge X		
Can you represent your number with the number card to show the amount in your tens frame.		



Lesson 3		
Learning Intention: WALT explore numbers to 20	Key Vocabulary: Groups Twenty Same Count	Fair Equal Different Penny What you will need: A computer, tablet or phone Paper + Pencil Video: Maths Lesson 3 20 objects + 4 containers
Starter		
Look at how many eggs I have in my fridge. I don't have any eggs left, I have zero eggs. How many eggs did I have in this box? We can also count in 2s. Can you count in 2s?		
Main Teaching		
<p>Today we are going to be exploring number combinations to 20. We will need 20 objects (1p coins). 4 small bowls or containers for sharing.</p> <p>I've got 20 pennies. I am going to share them between 4 containers (or purses). I have shared 20 pennies into my 4 purses. How many pennies are in each purse? How could we check? Count to check. 5 pennies in each purse. We shared 20p into 4 purses and there are 5 pennies in each one. Is there the same amount or different amounts in each purse? It's the same. Equal amounts in each. It's fair.</p> <p>Can you share your pennies in a different way between the four purses? I am going to put two pennies in the first purse and the rest in the other purses. How many are in each purse now? Is it still fair? We have shared 20 pennies in a different way. Can you explore the number 20 and find another, different way to share them between the four purses?</p> <p>How many do you have in your first purse or container? How many in the second, third, fourth? Did you share them in a different way to the way we did. Now we are going to record the different ways we shared 20.</p> <p>20 - 2p - 6p - 8p - 4p</p> <p>Have a go at exploring number 16. How will you share this between four containers or purses. Can you record this. Can you find another way to share 16 that is different. Now try with other numbers.</p>		
Independent Tasks		
Challenge 1		
Choose a number up to 20 and share this amount of objects between 4 containers.		
Challenge 2		
Record how many objects are in each container.		
Challenge 3		
Say if the amounts are the same, equal or different.		
Challenge X		
Find all the possible ways of sharing this number and record them.		



<b>Lesson 4</b>		
Learning Intention: WALT Apply key skills in our maths work	Key Vocabulary: How many      Pattern Month            Day One More One Less The same	What you will need: A computer, tablet or phone Paper + Pencil Video: Maths Lesson 4
<b>Starter</b>		
Months of the year song. Days of the week song.		
<b>Main Teaching</b>		
<p>Today we are going to be reviewing and practising all of the maths skills we have learnt so far. Let's start by practising the months of the year. Do you remember them all, in order? Let's have a look at the months of the year. January, February, April. Oh this doesn't seem right. I think there is a month missing. Do you know the month that is missing? What month comes after February? What month comes before April?</p> <p>Days of the week, sing the song. Monday, Tuesday. What day comes after Tuesday? You might sing the song again if you don't know the answer. Wednesday comes after Tuesday.</p> <p>Let's practise counting. Can you count how many objects I have placed down? (7) Have a look, use your careful counting finger. Let's check. Can you count how many objects I have this time? I might add two more. Can you count them all? (12). What does number 12 look like as a numeral? one ten and two more, 12.</p> <p>Have a look at my snake, what can you tell me about the colours? (Red, blue, yellow - repeating pattern). What colour is the third stripe on the snake? (yellow) Let's count together, first, second, third. What colour is the fifth stripe on the snake? Count to the fifth stripe and then answer. (blue)</p> <p>Quick fire counting. How many faces can you see?(3) (7) Let's check.</p> <p>You have practised all of your maths skills and some good counting too. Keep up the great work and keep practising all of the skills everyday.</p>		
<b>Independent Tasks</b>		
Challenge 1		
Recall the days of the week and the months of the year in the correct order		
Challenge 2		
Accurately count amounts to 20 by saying one number name for each item.		
Challenge 3		
Use ordinal numbers, first, second, third, fourth, fifth, sixth, seventh, eighth, ninth, tenth...		
Challenge X		
To make your own challenge cards with the maths skills you know so far. Doubles/halves/sharing/money/time etc. Can you complete the challenge?		
<b>Review</b>		
Choose a range of maths games we have played so far - top marks, numbots, choose a board game with numbers, counters, dice. Practise number facts and play with a family member, toy or friend.		



Lesson 5		
Learning Intention: WALT Count in 2s.	Key Vocabulary: Add Pairs Total Groups of Two More Number line Plus Count on	What you will need: A computer, tablet or phone Paper + Pencil + ruler Video lesson 5 Socks
Starter		
<p>How many can you see? What did you notice? Can you see two rows of two? This can help us to count quickly. Practise this for a range of different numbers. How quickly can you say the number? What will help you to count faster? Recognising the dice pattern and knowing the number, counting in 2s, using a careful counting finger.</p>		
Main Teaching		
<p>Today we are going to be practising counting in pairs, in groups of two. To help us, we can whisper the first number and say the second number loud and clear. Listen carefully. Now you try and count along with me. Remember to whisper the first number and to say the second number loudly, this way we are counting in 2s. This time can you clap as you say the number out loud counting in 2s.</p> <p>Oh no, Monty monkey says his feet are cold, can we help him? We could get him some socks! First we need to know how many feet he has. Can you count them? How many socks does he need? Two socks = One pair. Now Monty is wearing a pair. I think Monty is happy and his feet will be warm now.</p> <p>On this chart we have some animals. It also says number of legs and pairs of socks. The animals are: a duck, a cat, a spider, a worm, an octopus, a horse and a ladybird. How many legs does a duck have? Use your careful counting finger to count them. Two. How many pairs of socks will the duck need? We learnt already that one pair has two individual socks in, so two socks makes one pair. The duck has two legs so needs two socks, so the duck needs one pair of socks. The cat has 4 legs. Lets draw the number of legs the cat has. The cat will need 4 socks. How many pairs of socks does the cat need? We know that there are two socks that make one pair. Count out the socks together. Four legs, four socks, that makes two pairs of socks. We can circle the pairs to help us to make the right amount of pairs. We can also use real socks to help us to count them out and find out how many pairs we need.</p>		
Independent Tasks		
Challenge 1		
To whisper the first number and say the second number out loud to count in 2s.		
Challenge 2		
To count how many feet animals have to find out how many legs they have.		
Challenge 3		
To count in pairs and find out how many pairs of socks each animal will need.		
Challenge X		
To count how many socks you have altogether by counting in pairs, counting in 2s.		
Review		
Practise maths games on numbots, can you practise counting in 2s.		