

*Dr Fog Presents*

# Splitting Numbers

Year 1 (National Numeracy Strategy)  
(Based on DFEE Sample Lessons)



# Resources

- Playdough or real fruits (2 different varieties)
- Bags containing about 20 cubes (in two colours)
- Playdough biscuits or counters.
- Paper plates.



# Mental Learning Objective

- I can understand the relationship between addition and subtraction.



# Mental Learning Task

- Today we are going to be splitting up numbers.



# Mental Learning Task

- If you have got six biscuits, how might you share them between two plates

Different  
sums



# Mental Learning Task

- The answers were:-

$$5 + 1 = 6$$

$$2 + 4 = 6$$

$$3 + 3 = 6$$

$$1 + 5 = 6$$

$$0 + 6 = 6$$

$$4 + 2 = 6$$

$$6 + 0 = 6$$

Chant these as a class



# Mental Learning Task

- What would happen if I had only one plate but something different to put on it... fruit.



# Mental Learning Task

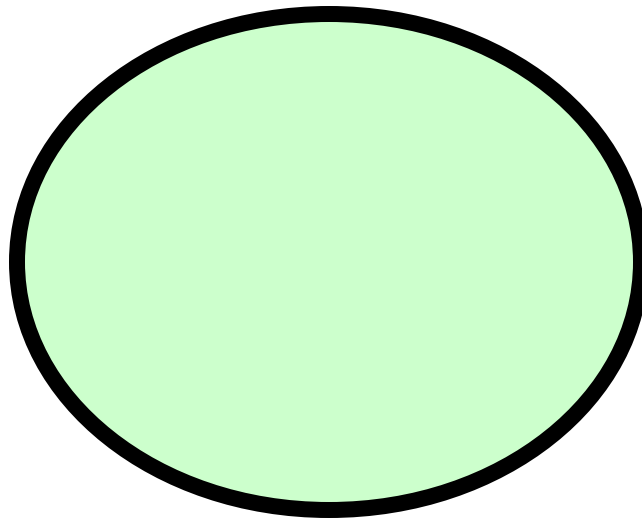
- I want you to close your eyes.
- Imagine eight pieces of fruit.
- Five are apples.
- The rest are Bananas.
- How many bananas are there?





# Mental Learning Task

- Can you draw the fruit on my plate?



- What is the number sentence?

# Mental Learning Objective

- I can understand the relationship between addition and subtraction.



# Main Learning Objective

- Today I am going to learn number bonds.
- I can recognise number patterns and being systematic.



# Main Learning Task

- Today we are going to work in three groups.
- After 10 minutes we will switch activities.



# Main Learning Task

- Activity 1:- Apples and bananas
- Draw eight pieces of fruit on each plate.
- The only fruits allowed are apples and bananas.
- How many ways can you find?



# Main Learning Task

- Activity 2:- Two colour cubes
- Each child has about twenty cubes in two colours.
- Pull out a handful, count them and sort them by colour.
- Write down the sum.



# Main Learning Task

- Activity 3:- Biscuits on plates.
- Arrange 10 biscuits on a plate.
- Only 2 kinds of biscuits are allowed.
- How many ways can you find?
- Write the sum.



# Main Learning Task

- Challenge:-
- Cut out and arrange their recording to make sure they have them all.
- Work with numbers over 10.





# Main Learning Objective

- Today I am going to learn number bonds.
- I can recognise number patterns and being systematic.



# Plenary

- Everyone must look at what they found in Activity 2.
- Tell your teacher the arrangements you have found.
- How could we check we have all the answers?
- We could reorder them.



# Plenary

Red Cube	Blue Cube
	$7 + 1$
	$5 + 3$
	$4 + 4$
	$3 + 5$
	$2 + 6$
	$0 + 8$

What pattern can you see?



# Plenary

Red Cube	Blue Cube
	$7 + 1$
	$5 + 3$
	$4 + 4$
	$3 + 5$
	$2 + 6$
	$0 + 8$

What is wrong with the pattern?



# Plenary

Red Cube	Blue Cube
	$7 + 1$
	$5 + 3$
	$4 + 4$
	$3 + 5$
	$2 + 6$
	$0 + 8$

Which sums are missing?



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