

# Oak Tree Primary School



## A Guide to Calculations in Year 1

The aim of this booklet is to provide you with a clear guide as to how we teach mental and written calculations in Year 1.

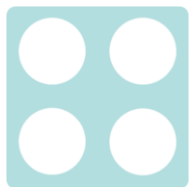
We hope that this gives you greater confidence when working with your children at home.

Happy Calculating!

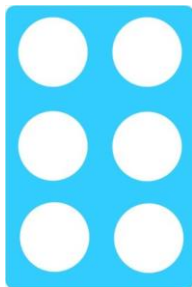
# Addition

$$4 + 6 = 10$$

Numicon



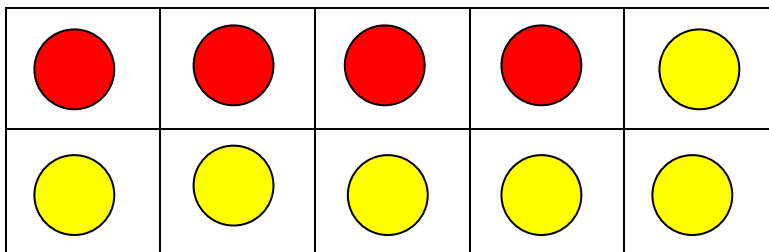
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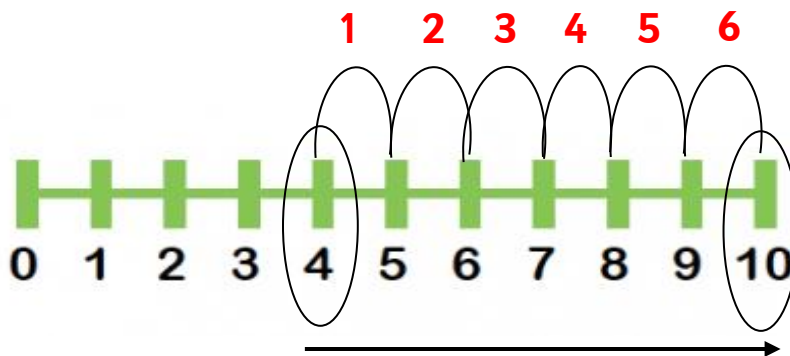
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Place value counters on a tens frame



Counting on a number line



Drawing stories

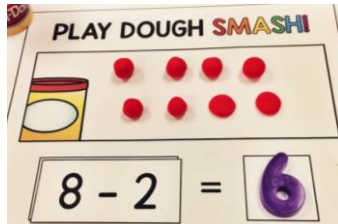
At first there were    ducks in the pond. Then    more came along. Now there are    ducks in the pond.



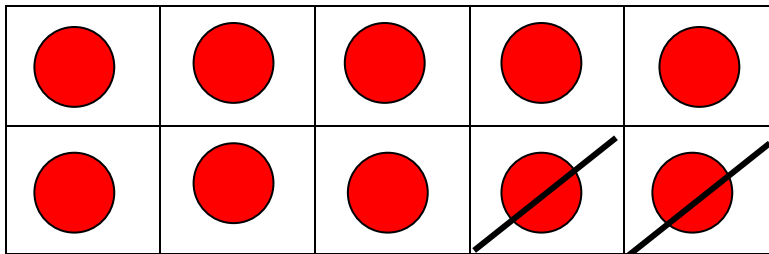
# Subtraction

$$10 - 2 = 8$$

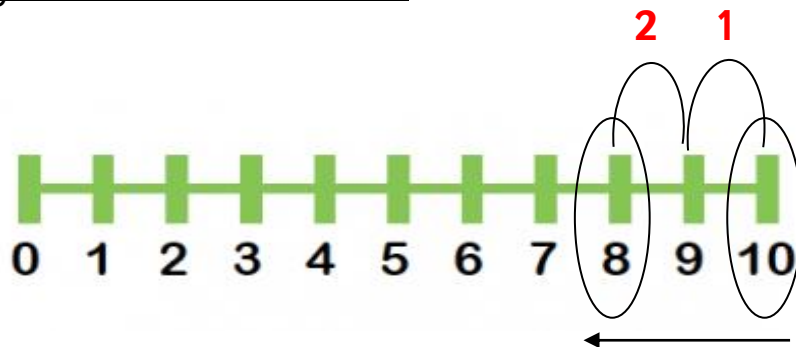
Practical objects



Place value counters on a tens frame



Counting back on a number line



Drawing stories

At first there were \_\_\_ cakes.

Then \_\_\_ cakes were eaten. Now there are \_\_\_ cakes on the plate.



First



Then



Now

## Multiplication

In year 1 children are taught to multiply with the support of their class teacher. We teach this concept as groups of or lots of.

$$4 \text{ lots of } 2 = 4 \times 2$$



**1**



**2**



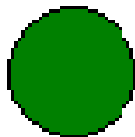
**3**



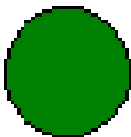
**4**

When the children are more confident we begin to look at arrays.

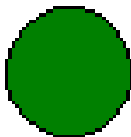
**1**



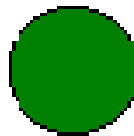
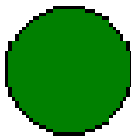
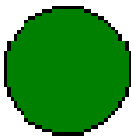
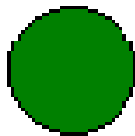
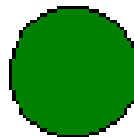
**2**



**3**



**4**

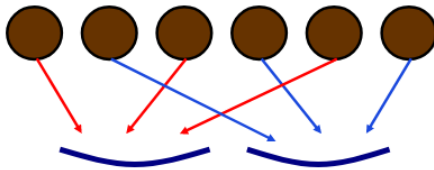


At the end of Year 1 children are expected to count in multiples of 2, 5 and 10. This helps them when working out the final total for a multiplication.

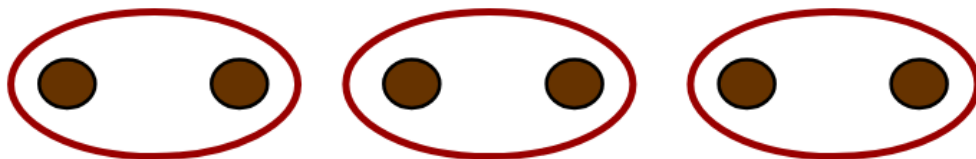
## Division

As with multiplication children divide with the support of their teacher. Division is introduced through the concept of sharing.

$$6 \text{ shared between } 2 = 6 \div 2$$



We will then move onto grouping objects.  
e.g 6 put into groups of 2.



Children can count the number of groups to work out the final answer.