

# Maths Information Evening

Progression through written strategies  
to help children add, subtract, multiply  
and divide.



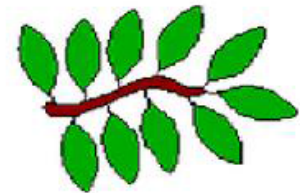
# The Deca Tree



The deca tree has 10 trunks.  
On each trunk there are 10 branches.  
On each branch there are 10 twigs.  
On each twig there are 10 leaves.



One day a woodcutter came along and  
cut down one trunk from the tree.  
Then he cut off one branch from  
another trunk of the tree.  
He then cut off one twig from another branch.  
Finally he pulled one leaf from another twig.



**How many leaves were left on the tree?**

# Changes to the Curriculum

- There is higher expectation overall – pupils will be benchmarked against age-related expectations.
- Progression shown year-by-year – but it will be for teachers to set out their year-by-year approach in their school curriculum.
- Conceptual development of number has been addressed in detail.
- There are fewer things in more depth in primary, so data has less prominence and probability will not be introduced till Key Stage 3.
- All pupils will be expected to build firm foundations and not be accelerated to content expected in secondary school.

# Why have a Calculation Policy?

- This calculation policy has been produced to ensure consistency and progression in teaching throughout the school and in light of the new curriculum has grown in importance.
- It provides an overview of the key written calculation strategies that will be taught and identifies the progression in each of the four operations that children will typically follow. **Each stage builds upon previous experience.**
- They will develop calculation skills through a combination of practical, oral and mental activities. Although the focus of this policy is on pencil and paper procedures, it is important to recognise that in every written method there is an element of mental processing. Written calculation strategies will therefore be taught alongside mental calculation strategies and should be seen as complementary to and not as separate from them.

**Expectations for times tables for each year group:**

Year 1	Count in multiples of 2,5 and 10. Recall and use doubles of all numbers to 10 and corresponding halves.
Year 2	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.
Year 3	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
Year 4	Recall multiplication and division facts for multiplication tables up to $12 \times 12$ .
Year 5	Revision of all times tables and division facts up to $12 \times 12$ .
Year 6	Revision of all times tables and division facts up to $12 \times 12$ .