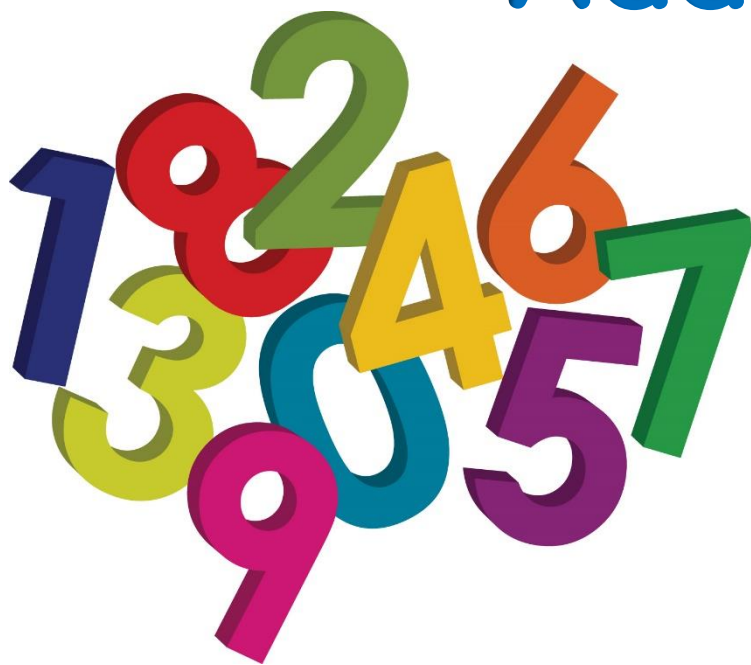




# Maths

# Booklet

## Addition



# Maples

The aim of this booklet is to outline what is expected by the end of the year. We have included some of the strategies that will be used in class so that support is given in the same way.

We have included some activities that can be done at home to help them develop fluency and understanding.

### Addition Expected targets.

- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- perform mental calculations, including with mixed operations and large numbers

By the time children reach year six, they should have mastered formal written methods of addition. However, they should remain flexible in their approach as not every calculation will be best solved with a formal written method. Children should look carefully at the numbers involved and make a decision.

Here are some examples of Y6 expected standard addition questions:

Missing digit problems are common. Children should be expecting that they will need to carry digits over. For example in the ones column, there is no positive number that can be added to 9 ones to get 6 ones.

Write the three missing digits to make this **addition** correct.

$$\begin{array}{r} \begin{array}{|c|c|c|c|c|} \hline 5 & 3 & 2 & \square & 9 \\ \hline \end{array} \\ + \begin{array}{|c|c|c|c|} \hline 7 & 4 & 2 & \square \\ \hline \end{array} \\ \hline \begin{array}{|c|c|c|c|c|} \hline \square & 0 & 6 & 7 & 6 \\ \hline \end{array} \end{array}$$



Quick mental addition is still very important. Children should be able to solve a problem like  $2525 + 808$  mentally, seeing this as  $2500 + 800$  and  $25 + 8$ .

Practising mental addition at home could be:

- adding up the cost of a shopping trip and checking at the till
- adding up the number of pages on three different books
- adding the total weight of the ingredients in a meal or a cake.