

Norton Primary School

Calculation Booklet

As part of our calculation strategy children should be encouraged to see mathematics as both a written and spoken language. Teachers should support and guide children in the following important ways:

- Presenting mathematical concepts in a real and concrete way. Applying mathematical ideas to relevant 'real life' situations and contexts.
- Representing mathematical ideas in pictorial forms: 'showing' children what different processes and concepts mean.
- Developing children's understanding of written representations of abstract concepts (e.g. written numbers, mathematical symbols and written calculations).

When solving a problem children should always work through the following thinking process:

1. Can I do this in my head, using a mental method?



2. Can I do this in my head, using drawings or jottings to help me?



3. Can/should I use a calculator?



4. Which written method will I find most helpful?

Children need to have exposure to a variety of different strategies for each operation so that they may make informed choices about which method they feel more secure with and which are more useful in different situations.

For each operation, the written methods are presented as a progression. There is no age-appropriate expectation for which operations specific year groups should be using. Rather, children should be using whichever strategy they feel is most appropriate for them.

The long-term aim is for children to be able to select an efficient method of their choice (whether this be mental, written, or (in upper Key Stage 2) using a calculator) that is appropriate for the given task.

ADDITION



SUBTRACTION





