

NON : SEMPER : ALACRI

Calculation Policy

Haresfield C of E Primary School

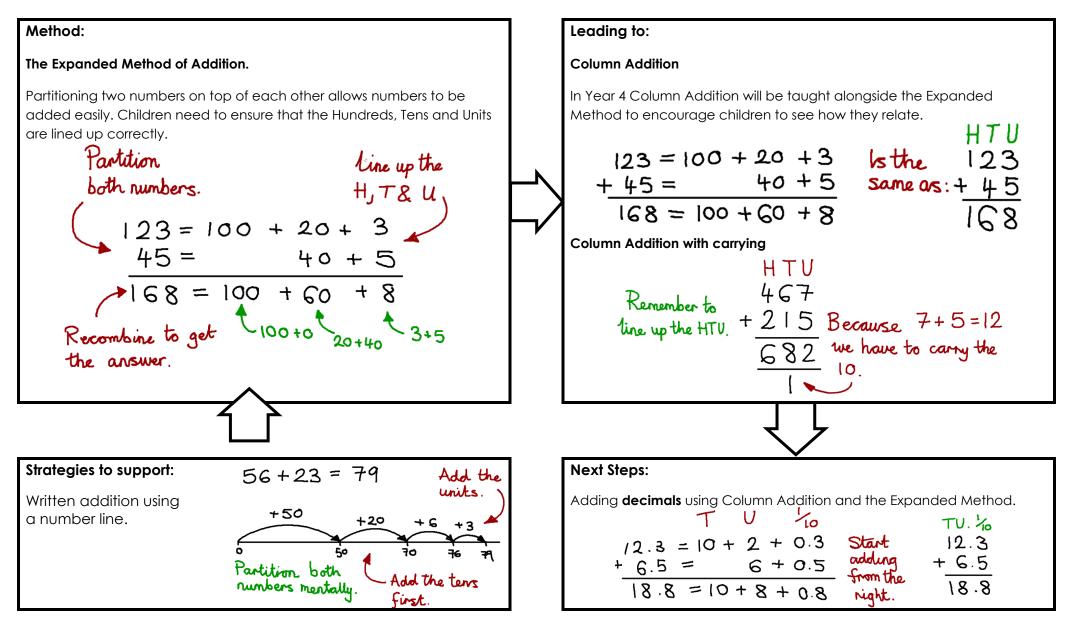


NON : SEMPER : ALACRI

How we teach it.

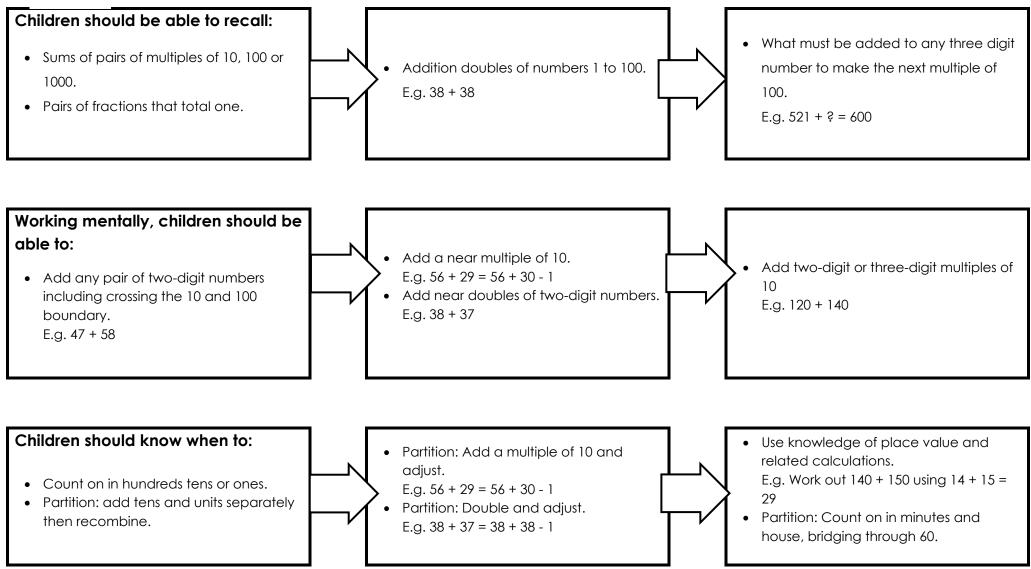
Written and mental calculation at Stage 4

Written Addition at Stage 4





Mental Addition at Stage 4

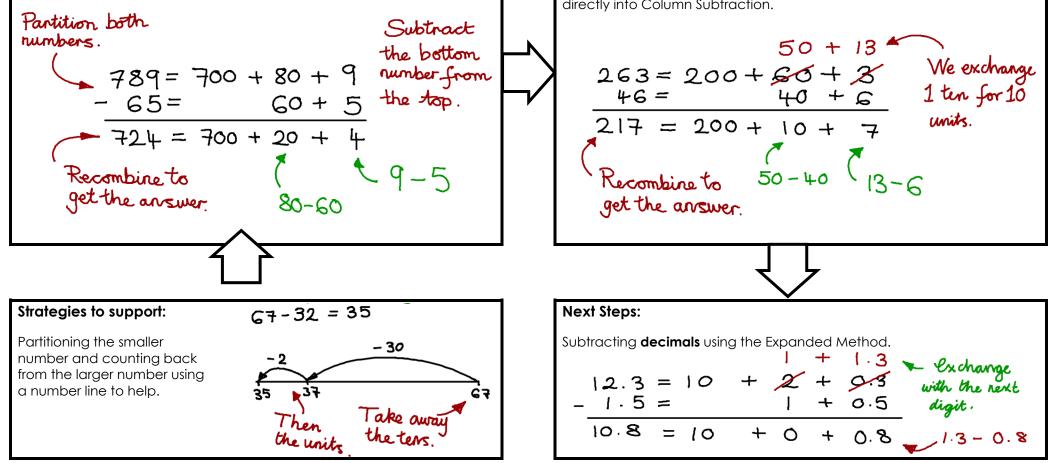




Method:

The Expanded Method of Subtraction.

Looking very similar to addition, the Expanded Method of Subtraction affords the ability to subtract large numbers.



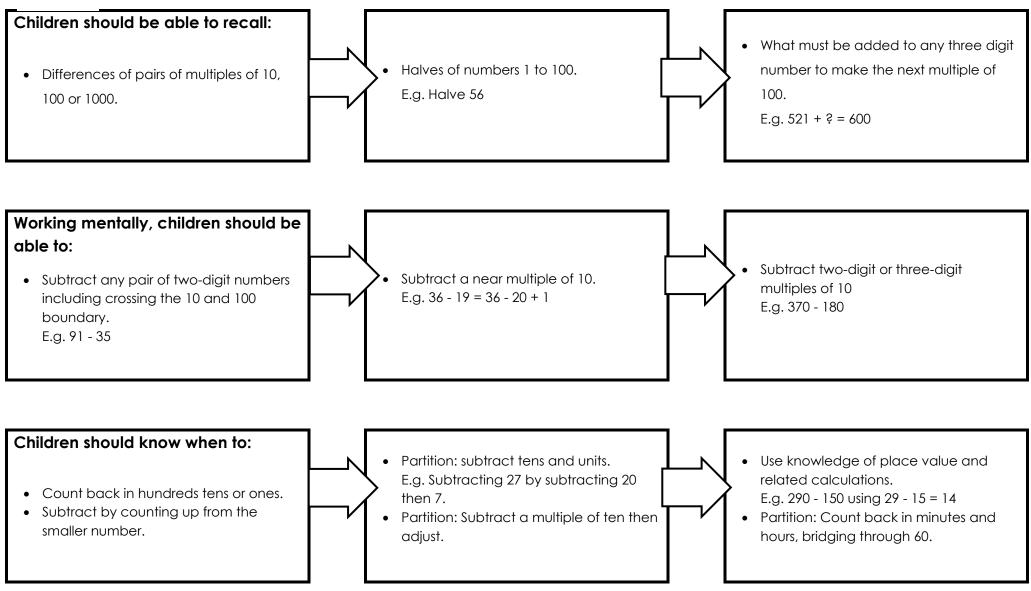
Leading to:

The Expanded Method of Subtraction with exchange.

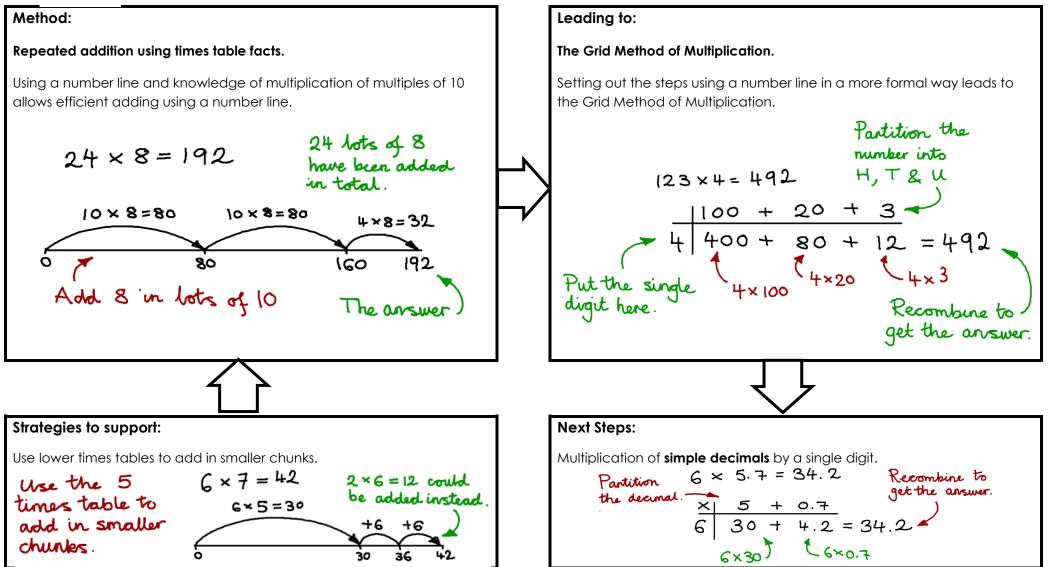
Difficulties arise when the number on top has digits which are smaller than the number below. Exchanging using the expanded method leads directly into Column Subtraction.



Mental Subtraction at Stage 4

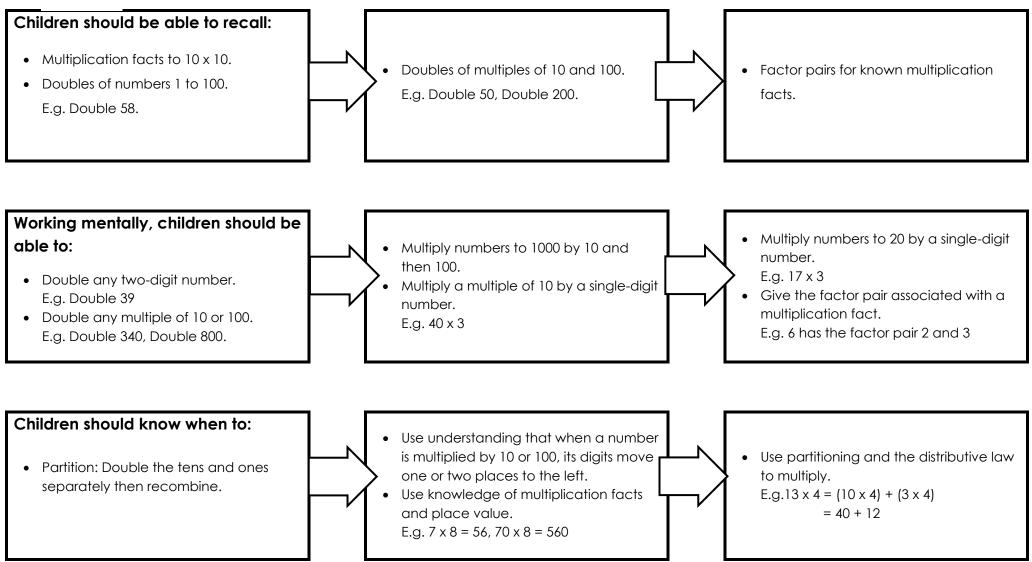








Mental Multiplication at Stage 4



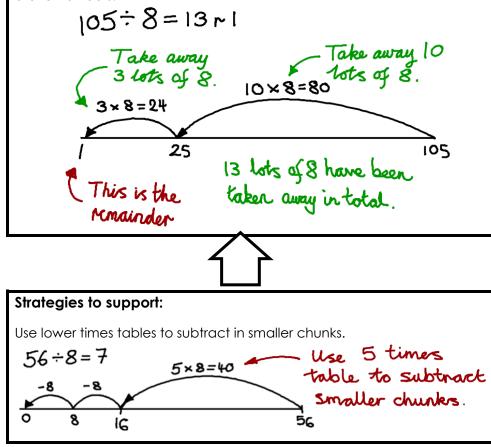
Written Division at Stage 4



Method:

Repeated subtraction using times table facts.

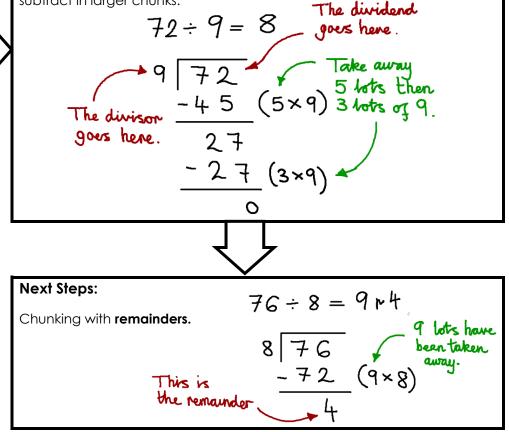
Using known times table facts allows children to subtract larger 'chunks' from the original number. Children will be performing division where there are remainders.



Leading to:

Chunking using times table facts.

Once children are comfortable with division as repeated subtraction they can start to use more a more formal layout. When children are comfortable with the layout they can begin to use their ten times table to subtract in larger chunks.





Mental Division at Stage 4

