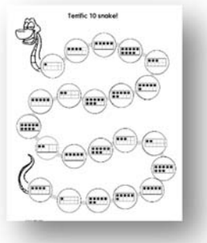
Doubles

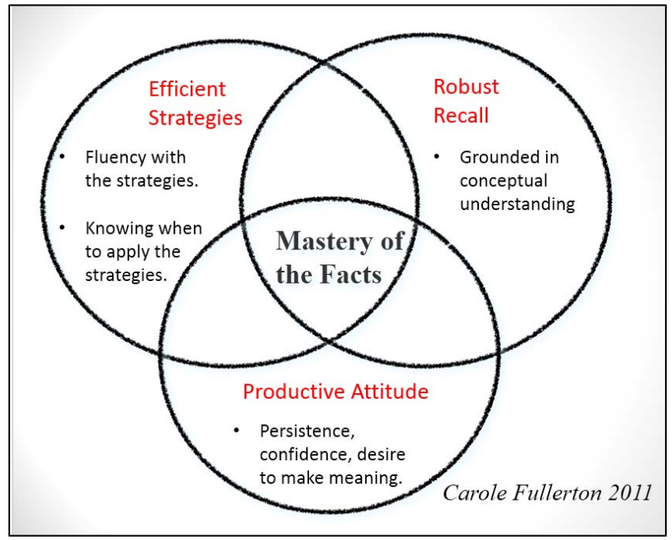
Near Doubles

Make 10 – Parts of 10



Back to the Basics… A Better Way

~ Part 1 Addition and Subtraction ~



- Get them engaged!
- Get them thinking!
- Get them reasoning!

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What is Addition and Subtraction?

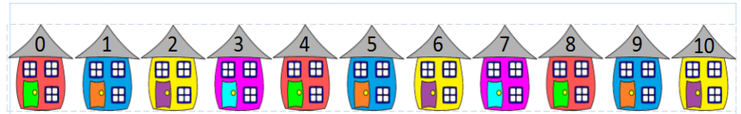
- Number sense is important
- Part-part-whole thinking
- Big ideas
  - Addition
    - **When we add, we join sets.**
    - **We can model addition with materials.**
    - **When we add, the answer is called the sum.**
    - **We add 2 (or more) addends to get the sum.**
    - **We can reverse the order of the addends and the sum remains the same (6 + 4 = 4 + 6). This is called the commutative principle.**
  - Subtraction
    - **We can think of subtraction as being the act of removal.**
    - **The number we start with is call the minuend.**
    - **The number we remove is called the subtrahend and the one left is called the difference.**
    - **Sometimes we apply the 'counting back' strategy when we remove something from the whole. (over used)**
    - **More efficient strategies like 'bridging through 10, parts of ten and near neighbours' can be used to find the difference.**
    - **Subtraction can be thought of as an act of comparison.**
    - **When we compare amounts to find the difference, we can apply the counting up strategy.**

concretely

pictorially

symbolically

Strategies



- Direct Instruction
- Guided Practice
- Independent Practice

Adding and Subtracting 0

Adding and Subtracting 1

Adding and Subtracting 2