**Pinders Primary School – Mathematics Mental Strategies – Year 1**

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| **Rapid Recall Skills** | **Key Knowledge and Vocabulary** |
| * Y1 facts on grid tested and recorded termly – including associated subtraction facts | Know how to count in ones and in steps of two   * Know that a number line can be used to count on and back     Know number bonds to 10   * Know that tens frames can be used to create the “magic 10”     5 + 5 = 10     * Know that numicon can be used to combine plates to make connections and recognise patterns * Know that tens frames can be used to order number bonds systematically      1. + \_ = 10 5 + \_ = 10   Know double and halving facts to 20   * Know that doubling is twice as many * Know that repeated addition is adding equal groups together     1 + 1 =2 Double 1 is 2 2 + 2 = 4 Double 2 is 4  Near number bonds   * Know how to use near number bonds to add two one digit numbers       E.g. 7 + 2 = 9 because 7 + 3 = 10 (one less) 8 + 3 = 11 because 8 + 2 = 10 (one more)  Know near double facts   * Know how to use near double facts to numbers to 10         E.g. 3 + 4 = 7 double 3 is 6 one more)  Partitioning   * Know how to partition using number facts     E.g. 24 + 3 = ? first add the one’s 3 + 4 = 7 then add the ones with the ten’s 20 + 7 = 27   * Know how to partition in different ways     Adjusting   * Know how to adjust numbers to make 10   e.g. 8 + 6 becomes 8 + 2 + 4 e.g 6 + 7= becomes 10 + 3 |