**Mental Maths/Number Talks Strategies**

**Multiplication & Division**

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| **Friendly Numbers****9 x 15**10 x 15 = 150 150 – 15 = 135**Don’t forget to ‘undo’ your change!** | **Repeated Addition****6 x 15**15+15+15+15+15+1515 + 15 = 3030 + 15 = 4545 + 15 = 6060 + 15 = 7575 + 15 = 90 | **Partial Products****6 x 125** 6 x (100 + 20 + 5) (6x100) + (6x20) + (6x5)  600 + 120 + 30 = 750 | **Doubling and Halving****24 x 8** x2 ÷2**48 x 4** x2 ÷2**96 x 2** x2 ÷2**192** |
| **Breaking Factors into Smaller Factors****12 x 25**  2 x 6  **2** x 25 = 5050 x **6** = 300 | **Grid Method****35 x 7** | **Partial Quotients** | **Multiplying Up****72** ÷ **8**  8 x **5** = 408 x **4** = 32 (**5** + **4**) = (40 + 32)8 x 9 = 72 |
| **Repeated Subtraction****24** ÷ **6** 24 – 6 – 6 – 6 – 6 **6 x 4 = 24 so 24** ÷ **6 = 4**  |