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| **2018 KS2 Multiplication/Division Qs**  **(Generate similar examples)** | **Knowledge/ strategy**  Mental strategies need to develop through discussion, modelling the mathematics using concrete resources combined with recording (eg number lines, part whole diagrams such as bar models). | | **Pupils who need further teaching to address gaps in understanding**  **Date:** |
|  | * Any TU x2 * Read as ‘double 45’ or two times 45/ 45 multiplied by 2 * Know doubles of any TU number | Mental |  |
|  | * Any number ÷ by 1 * Conceptual understanding | Mental |  |
|  | * Any division fact related to tables fact * Recall tables fact * Know linked tables fact to check | Mental |  |
|  | * Any multiplying of 3 numbers including 10/100 * Know and recall tables fact plus PV understanding | Mental |  |
|  | * Any related fact (x 10/ 100) linked to tables * Know and use 27÷ 3 related fact * Check with multiplication | Mental |  |
|  | * Any related fact (x 10/ 100) linked to tables * Know and use 54÷ 9 related fact * Check with multiplication | Mental |  |
| **Additional Examples** | | | |
| 25÷1= | * Any TU÷1 * Conceptual understanding | Mental |  |
|  | * Any tables/ division facts * Number fact recall / inverse check | Mental |  |
|  | * Any 3 digit ÷U * Notice 581= 560+21 (multiples of 7) * Short division, check using facts | Mental |  |
| 5÷10 | * Any U÷10 * Using understanding of PV/ links with 5/10 * Using bar model / number line imagery | Mental |  |
| 0.4 ÷10 | * Any decimal to 1 dp ÷10 * Using understanding of PV | Mental |  |
|  | * Any TU x U * 2 part calculation: (30x8) +(3x8) ; use of PV * check using facts &PV | Mental  Jottings |  |
|  | * Any multiple of 10 x multiple of 10 * Use related number facts &PV: 3x40 , 30x40, | Mental  Jottings |  |
|  | * Any HTU x U * Vertical layout expanded * Check with facts eg 100x4; 60x4;7x4 | Formal |  |
| 0.9x2 | * Any decimal to 1 dp x U * Link with fractions/ equivalent decimals, eg 9/10 x 2= 18/10= 1.8 * Calculate as 9x2 then divide by 10 | Mental |  |