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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
 | MentalJottings |  |
|  | * Any multiple of 10 x multiple of 10
* Use related number facts &PV: 3x40 , 30x40,
 | MentalJottings |  |
|  | * 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 |  |