Year 5 Progression in maths




| Division | Pupils should be taught to: <br> - identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers <br> - know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers - establish whether a number up to 100 is prime and recall prime numbers up to 19 <br> - divide numbers mentally drawing upon known facts - divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context - divide whole numbers and those involving decimals by 10, 100 and 1000 <br> - solve problems involving division including using their knowledge of factors and multiples, squares and cubes <br> - solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign - solve problems involving division, including scaling by simple fractions and problems involving simple rates. | Strategies: <br> - Grouping with concrete resources (low attainers who lack understanding of concept) <br> - Timestable grids <br> - Short division using diennes <br> - Short division using place value counters <br> When children fully understand place value, chn should be able to use compact short division competently. | For children not working at a year 5 level: <br> Draw dots and group them to divide an <br> remainder 2 amount and clearly show a remainder. <br> Children to only move on to short division when they fully understand PV. |  | $\begin{aligned} 8520 \div 6= & 1420 \\ & \begin{array}{r} 1420 \\ \\ \\ \hline 8520 \end{array} \end{aligned}$ |
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