

Class 4 (Y3) Multiplication & Division

Aspect	Key Concepts	Key Vocabulary	Skills	Practical Resources for Class Area	Practical Resources centrally stored
<i>Multiplication & Division</i>	<p>Recall & use multiplication and division facts for the 3, 4 and 8 multiplication tables</p> <p>Connect 2, 4 and 8 times table through doubling</p> <p>Begin to use other multiplication tables</p> <p>Use commutativity for efficient mental method e.g. $4 \times 12 \times 5 = 4 \times 5 \times 12 = 20 \times 12 = 240$</p> <p>Derive related facts e.g. $3 \times 2 = 6$, $3 \times 20 = 60$</p>	<p>doubling</p> <p>equal grouping</p> <p>arrays</p> <p>repeated addition</p>		<p>Multiplication tables on display in class</p> <p>Individual multiplication grids</p>	
<i>Mathematical Methods</i>	<p>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to efficient written methods</p> <p>Introduce grid method, 2-digits by 1-digit</p> <p>Introduce 'bus shelter' division - first within times tables, then 2 digits into 2 digits - no remainders</p>	<p>multiply</p> <p>divide</p> <p>multiplication</p> <p>division</p> <p>grid method</p> <p>bus shelter</p>			
<i>Problems</i>	<p>Solve simple problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects (e.g. 3 hats and 4 coats – how many different outfits; 12 sweets shared equally between 4 children; 4 cakes shared equally between 8 children.)</p>	<p>grouping</p> <p>sharing</p> <p>doubling</p> <p>halving</p>	Explaining how they have solved problem		