

St Mary's RC Primary School Written Calculation Policy - Division

Year		How it will look in written form
Y1		
Y2	<ul style="list-style-type: none"> calculate mathematical statements for division <i>grouping</i> within the multiplication tables and write them using the division (\div) and equals ($=$) signs 	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D3: Division as Sharing</p> <p>$12 \div 2 = 6$</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D4: Division as Grouping</p> <p>$12 \div 2 = 6$</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D5: Grouping on a Number Line</p> <p>$20 \div 5 = 4$</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D5a: Grouping on a Number Line</p> <p>$17 \div 5 = 3r2$</p> </div> </div>
Y3	<ul style="list-style-type: none"> write <i>estimate</i> and calculate mathematical statements for division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods 	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D7: Chunking Jump</p> <p>$72 \div 4 = 18$</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D8a: Find the Hunk!</p> <p>$65 \div 4 = 16r1$</p> <p>The Hunk! $40 \div 4 = 10$</p> <p>Chunk $25 \div 4 = 6r1$</p> <p>$10 + 6r1 = 16r1$</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D10: Short Division</p> <p>$72 \div 4 = 18$</p> </div> </div>
Y4	<ul style="list-style-type: none"> Short division of $TU \div U$ and $HTU \div U$ Use mental arithmetic strategies when appropriate, e.g. partitioning, chunking and jottings Doubling numbers 1-100 as a strategy <p>divide whole numbers and those involving decimals by 10 and 100</p>	<div style="border: 1px solid blue; padding: 10px; margin: 10px; text-align: center;"> <p>D10: Short Division</p> <p>$136 \div 4 = 34$</p> </div>
Y5	<ul style="list-style-type: none"> 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 Express remainders in different ways e.g. $98 \div 4 = 24r2 = 24\frac{1}{2} = 24.5 = 25$ Use mental arithmetic strategies when appropriate, e.g. partitioning, chunking and jottings <p>divide whole numbers and those involving decimals by 10, 100 and 1000</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D10c: Short Division</p> <p>$394 \div 6 = 65r4$</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D10e: Short Division</p> <p>$5978 \div 7 = 854$</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D10f: Short Division</p> <p>$846 \div 5 = 169r1$</p> </div> </div>
Y6	<ul style="list-style-type: none"> divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context perform mental calculations, including with mixed operations and large numbers <p>Use mental arithmetic strategies when appropriate, e.g. partitioning, chunking and jottings</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D10i: Short Division</p> <p>$87.5 \div 7 = 12.5$</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>Long Division</p> <p>Chunking Cloud Method</p> <p>$969 \div 31 = 31$</p> <p>$0 \ 3 \ 1 \ r \ 8 \text{ or } 31 \frac{8}{31}$</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 5px;"> <p>D12: Chunking</p> <p>$983 \div 37 = 26r21$</p> <p>Long Division With Remainders</p> </div> </div>

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