



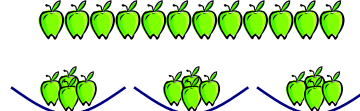
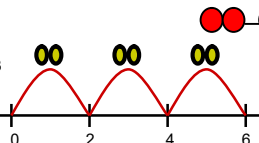
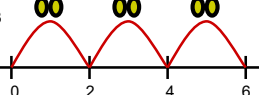
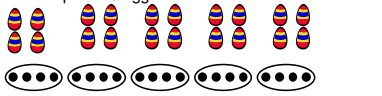
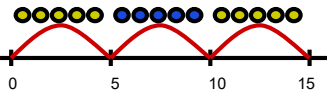
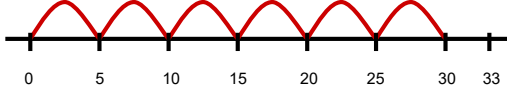
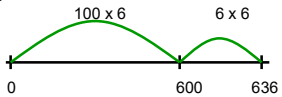


<p>YR</p>	<p>Share objects into equal groups and count how many in each group</p> <p>Halving numbers to solve problems</p>	<p>Practical / recorded using ICT (eg digital photos / pictures on IWB)</p> <p>Pictures / Objects</p> <p>6 cakes shared between 2 </p> <p>6 cakes put into groups of 2 </p>		<p>Symbols</p> <p>6 cakes shared between 2 </p> <p>6 cakes put into groups of 2 </p>		<p>(see recording)</p>
<p>Y1</p>	<p>REPEATED SUBTRACTION</p> <p>Solve 1 step problems that involve sharing into equal groups</p> <p>$TU \div U$ (where divisor is 2, 5 & 10)</p>	<p>Practical / recorded using ICT</p> <p>Pictures / Symbols</p> <p>How many apples in each bowl if I share 12 apples between 3 bowls?</p> 	<p>Number tracks / Number line (modelled using bead strings)</p> <p>$8 \div 2 = 4$ </p> <p>$6 \div 2 = 3$ </p>		<p>Halves of even numbers to 10</p>	<p>(see recording)</p>
<p>Y2</p>	<p>REPEATED SUBTRACTION</p> <p>Division as sharing and grouping (including remainders)</p> <p>$TU \div U$ (where divisor is 2, 3, 4, 5 & 10)</p>	<p>Pictures / Symbols</p> <p>Four eggs fit in a box. How many boxes would you need to pack 20 eggs?</p> 	<p>Number lines / Arrays</p> <p>$15 \div 5$</p> 	<p>Partitioning (FOR HALVING ONLY)</p> <p>$28 \div 2$</p> <p>$20 \div 2 = 10$</p> <p>$8 \div 2 = 4$</p>	<p>Derive / recall \div facts for 2, 5 and 10 tables</p> <p>Derive / recall halves of even numbers to 20</p>	<p>$TU \div 2$</p>
<p>Y3</p>	<p>Progressing to Formal Written Method</p> <p>$TU \div U$ (where divisor is 2, 3, 4, 5, 6 or 10)</p> <p>Round remainders up / down, depending on the context</p>	<p>Number lines (start from zero)</p> <p>$33 \div 5 = 6 \text{ r}3$</p> 			<p>Derive / recall \div facts for 3, 4, & 8 tables</p> <p>Derive / recall halves of even numbers to 40</p>	<p>$TU / HTU \div 2$</p>
<p>Y4</p>	<p>Formal Written Layout</p> <p>$HTU \div U$ (eg $198 \div 6$)</p>	<p>Number lines (start from zero)</p> <p>$636 \div 6 = 106$</p> 	<p>Grouping (vertical layout)</p> <pre> 96 -70 (7x10) 26 -21 (7x3) 5 96 ÷ 7 </pre> <p>Answer: 13 R 5</p>		<p>Derive / recall \div facts up to the 12 times table</p>	<p>Numbers up to $1000 \div 1 / 10 / 100$ (whole number answers and understand the effect)</p> <p>Halves of TU / HTU numbers and multiples of 10 / 100</p>
<p>Y5</p>	<p>Formal Written Method Short Division</p> <p>ThHTU \div U</p> <p>Interpret remainders appropriately</p>	<p>Long (extended)</p> <pre> 6)196 -60 6x10 136 -60 6x10 76 -60 6x10 16 -12 6x2 4 32 Answer: 32 R 4 </pre> <p>Long (efficient)</p> <pre> 346 ÷ 8 (estimate: 400 ÷ 8 = 50) 8)346 -320 (8x40) 26 -24 (8x3) 2 Answer: 43 R 2 </pre> <p>ALSO CALCULATE WITH THOUSANDS NUMBERS</p>	<p>'Short' division</p> <p>$291 \div 3$ (estimate: $270 \div 3 = 90$)</p> <pre> 97 3)291 </pre> <p>ALSO CALCULATE WITH THOUSANDS NUMBERS</p>	<p>Recall quickly \div facts up to 12 times table</p>	<p>Divide using factors of the divisor (eg $\div 8$ by $\div 2$ and then $\div 4$)</p> <p>Divide whole and decimal numbers by 10 / 100 / 1000 (describe the effect)</p> <p>Halves of U.t / 0.th</p>	
<p>Y6</p>	<p>Formal Written Method Long Division</p> <p>ThHTU \div TU</p> <p>Interpret remainders as whole number remainders, fractions or by rounding as appropriate</p> <p>Integer \div U (eg $123 \div 7$)</p> <p>Decimal \div U (eg $27.6 \div 8$)</p> <p>ThHTU \div TU</p>	<p>Long (efficient)</p> <p>$25.6 \div 8$ (estimate: $24 \div 8 = 3$)</p> <pre> 8)25.6 -24.0 (8x3.0) 1.6 -1.6 (8x0.2) 0 Answer: 25.6 ÷ 8 = 3.2 </pre>	<p>'Short' division</p> <p>$43.4 \div 7$ (estimate: $42 \div 7 = 6$)</p> <pre> 6.2 7)43.4 </pre>	<p>'Long' division</p> <p>$560 \div 24$ (estimate: $550 \div 25 = 22$)</p> <pre> 23 24)560 -480 80 -72 8 Answer: 23 R 8 </pre> <p>ALSO CALCULATE WITH THOUSANDS NUMBERS</p>	<p>Derive \div facts involving multiples of 10 / 100 (eg $240 \div 30$) and decimals (eg $4.8 \div 6$)</p>	<p>Divide using factors of the divisor (eg $\div 15$ by $\div 5$ and then $\div 3$)</p> <p>$TU \div U$</p> <p>$U.t \div U$</p> <p>Integer \div 1000 / 100 / 10</p>

Estimate first

