



NAIS Pudong Stages of Progression for Calculation

Calculation	1	2	3	4	5	6	7	8
+ Addition Plus Altogether Total	<p>$7 + 3 = 10$ $6 + 4 = 10$ (Practical resources)</p>	Using a number line <p>$9 + 6 = 15$</p>	Using a number line <p>$46 + 27 = 73$ Larger jumps with confidence</p>	Using a number line <p>$264 + 158 = 422$</p>	Column addition 	Column addition <p>$125 + 137$</p>	Column addition <p>$1225 + 2137$</p>	Column addition <p>$2125 + 237 + 1467$</p>
- Subtraction Take away Less than	<p>$10 - 3 = 7$ $10 - 4 = 6$ (Practical resources)</p>	Using a number line <p>$15 - 6 = 9$ Subtraction by counting on</p>	Using a number line <p>$73 - 46 = 27$ Larger jumps with confidence</p>	Column Subtraction <p>$37 - 25$</p>	Column Subtraction <p>$325 - 137$</p>	Column Subtraction <p>$4225 - 2137$</p>		
X Multiplication Times Lots of	<p>Practical resources for counting in multiples</p>	<p>$3 \times 5 = 15$ $5 \times 2 = 2 \times 5$</p>	<p>$3 \times 2 = 6$ (linked to repeated addition)</p>	<p>$8 \times 3 = 24$</p>	<p>$13 \times 4 = 10 \times 4 + 3 \times 4$</p>	Informal Grid Method <p>$43 \times 6 = 258$</p>	Formal <p>473×3 3 x 1 digit</p>	Formal <p>473×23 3 x 2 digit</p>
÷ Division Share	<p>Practical resources for sharing</p>	<p>$15 \div 3 = 5$</p>	<p>How many 2s? $6 \div 2 = 3$</p>	<p>$43 \div 3 = 14 \text{ r}1$ If I know $10 \times 3 \dots$</p> <p>Chunking on a number line</p>	<p>$196 \div 6 = 32 \text{ r}4$ If I know 3×6 then I know 30×6</p> <p>Chunking on a number line</p>	Informal Vertical Chunking <p>$271 \div 6$</p>	Formal <p>$194 \div 6$</p>	Formal <p>$564 \div 13$</p>