BY THE END OF YEAR 4

Stage 5 (Early Additive)

Addition and Subtraction	Multiplication and Division	Fractions, Decimals, Percentages
Strategy 1: 38 + 7 = 45 (part whole) 38 + 7 = ? +2 ↓ ↓ -2 40 + 5 = 45 **Strategy 2:** 37 - 9 = 28 (part whole) 37 - 9 = ? +1 ↓ ↓ +1 38 - 10 = 28	**Strategy 1:** Knows 2, 5 and 10 tables **Strategy 2** Use multiplication to solve division problems e.g. 40 ÷ 5 = ... 5 X .... = 40	**Strategy 1:** $\frac{1}{6}$ of 12 = ? Solve using repeated addition e.g. 2 + 2 + 2 + 2 + 2 + 2 = 12 *Numerators can be larger than 1* **Strategy 2:** $\frac{2}{5}$ of ? = 8 *Uses a diagram and repeated addition to solve this question.*

Knowledge	
	Forwards number word sequence: **Stage 5:** Counts up to 1000 and states the number after any number (between 1 and 1000)
	Backwards number word sequence: **Stage 5:** Counts back from 1000 and states the number before any number (between 1 and 1000)
	Fractional numbers: **Stage 5:** Orders unit fractions (e.g. 1/4, 1/3, 1/2) and adds fractions with like denominators up to 1 whole e.g. ¼ + ¼ + ¼ = ¾
	Place Value: **Stage 5:** Knows tens in numbers to 1000, tenths among whole numbers
	Basic facts: **Stage 5:** Addition facts and multiplication facts for 2, 5, 10

1) *I have 38 stamps and I collect 7 more. How many stamps do I have?*

2) *The dairy has 37 oranges. They sell 9 of them. How many oranges do they have left?*

3) *I have 5 packs of tennis balls. There are 4 tennis balls in each pack. How many tennis balls do I have?*

4) *I have 24 stickers that I want to share evenly between 4 friends. How many stickers should each person get?*

Students may use a diagram to answer this question

5) *Share these counters (provide 18 counters) into 6 groups. How many counters are in each group?*
($\frac{1}{6}$ of 18 = ?)

6) *There are 8 candles on $\frac{2}{5}$ of this cake. How many candles must be on the whole cake?*