END OF YEAR 6

Stage 6 (Advanced Additive)

Addition and Subtraction	Multiplication and Division	Fractions, Decimals, Percentages
Strategy 1: 114 + 89 = 203 (part whole) 114 + 89 = ? -1 ↓ ↓ +1 113 + 90 = 203 **Strategy 2:** 114 – 89 = 25 (part whole) 114 - 89 = ? +1 ↓ ↓ +1 115 - 90 = 25	**Strategy 1:** Knows all tables. 6 X 24 = ? 6 X 20 = 120 6 X 4 = 24 120 + 24 = 144 **Strategy 2:** 84 ÷ 4 = ? 80 4 ↓ ↓ 20 1 → ■ *2 or 3 digit number divided by a single digit number*	**Strategy 1:** What fraction of the cake is this?  **Strategy 2:** $\frac{4}{10}$ of 60 = ? *Solve like 60 ÷10 = 6 and 6 X 4 = 24.* **Strategy 3:** $\frac{4}{10}$ of ? = 24 *Solve like 24 ÷ 4 = 6 and 6 X 10 = 60* *Students do not use diagrams to support them with these questions.*

Knowledge	
	Forwards number word sequence: **Stage 6:** Counts up to 1,000,000
	Backwards number word sequence: **Stage 6:** States the number before and after any number (between 1 and 1,000,000)
	Fractional numbers: **Stage 6:** Co-ordinates numerators and denominators (what is the same as 8/6) and adds fractions with like denominators ¼ + ¼ + ¼ + ¼ + ¼ = 5/4 or 1 ¼
	Place Value: **Stage 6:** Knows hundreds in whole numbers, connects tenths and ones
	Basic facts: **Stage 6:** Subtraction and Multiplication facts

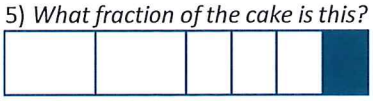
1) *There are 114 students at Hill Valley Junior school and 89 at Hill Valley Intermediate school. How many students are there in total?*

2) *114 people are watching a rugby game. 89 of them are wearing black. How many of them are not wearing black?*

3) *6 buses arrive at school each day. Each bus carries 24 students. How many students come by us each day?*

4) *There are 84 balloons that must be shared evenly between 4 packs. How many balloons should be placed in each pack?*

5) *What fraction of the cake is this?*



6) *I passed 60 cars on the way to school today.* $\frac{4}{10}$ *of them were white. How many cars is that?*

7) *There were 24 candles shared around* $\frac{4}{10}$ *of a cake. How many candles must there have been on the whole cake?*