Year 5 Autumn I • Problem solving and reasoning • Class Achievement Record

Q. no	Abacus objectives	National curriculum objectives	Marks	Children's names																
I	**NPV.59** Order and compare 5-digit numbers and say a number between	**Y5.NPV.I** Read, write, order and compare numbers to at least I 000 000 and determine the value of each digit	2																	
2	**NPV.59** Order and compare 5-digit numbers and say a number between	**Y5.NPV.I** Read, write, order and compare numbers to at least I 000 000 and determine the value of each digit	2																	
3	**MAS.55** Subtract 3-digit from 4-digit numbers by counting up MAS.56 Use mental strategies to add 2-digit, 3-digit and 4-digit numbers	**Y5.NAS.2** Add and subtract numbers mentally with increasingly large numbers	2																	
4	**MAS.56** Use mental strategies to add 2-digit, 3-digit and 4-digit numbers **MAS.49** Count up to subtract any 3-digit from 3-digit number	**Y5.NAS.4** Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	2																	
5	**MAS.56** Use mental strategies to add 2-digit, 3-digit and 4-digit numbers	**Y5.NAS.2** Add and subtract numbers mentally with increasingly large numbers	I																	
6	**MAS.49** Count up to subtract any 3-digit from 3-digit number	**Y5.NAS.2** Add and subtract numbers mentally with increasingly large numbers	2																	
7	**DPE.60** Match 2-place decimals to I/I00s, using a place-value grid	**Y5.NPV.I** Read, write, order and compare numbers to at least I 000 000 and determine the value of each digit	2																	
8	**DPE.62** Use place value to add and subtract 0·I and 0·0I to and from decimal numbers	**Y5.NF.9** Solve problems involving number up to three decimal places	2																	

Q. no	Abacus objectives	National curriculum objectives	Marks	Children's names																		
9	**MMD.41** Use doubling and halving to multiply and divide by 4 and 8 and solve correspondence problems **PRA.71** Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes	**Y5.NMD.5** Multiply and divide numbers mentally drawing upon known facts	2																		
10	**MEA.52** Compare durations of events to calculate the time taken by particular events or tasks **MEA.63** Read, write and convert time between analogue and digital 12 and 24 hour clocks	**Y5.M.6** Solve problems involving converting between units of time	3																		
11	**MEA.65** Convert between different units of measure, e.g. kilometres to metres, metres to centimetres, etc.	**Y5.M.1** Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	1																		
12	**MEA.67** Measure and calculate the perimeter of composite rectilinear shapes in m/cm	**Y5.M.3** Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	2																		
13	**MEA.67** Measure and calculate the perimeter of composite rectilinear shapes in m/cm	**Y5.M.3** Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	2																		
14	**MAS.49** Count up to subtract any 3-digit from 3-digit number **MAS.67** Use counting up strategies to quickly calculate change	**Y5.NAS.2** Add and subtract numbers mentally with increasingly large numbers	2																		
15	**MAS.49** Count up to subtract any 3-digit from 3-digit number	**Y5.NAS.2** Add and subtract numbers mentally with increasingly large numbers	2																		
			30																			