**Plan:** Abacus Year 4 **Term:** Autumn 1 **School Name:** Cambo First School **Teacher:** Julia Barron **Class:** CLASS 2 Year 2 **Date:** 08/09/2019

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| Wk | Progression Focus | Weekly Summary | Strands | Objectives |
| 1 | **Addition and subtraction**  Weeks 1 and 2 focus on mental strategies in addition and subtraction, including the use of a robust understanding of place value. | Finding pairs with a total of 100; adding to the next multiple of 100 and subtracting to the previous multiple of 100; subtract by counting up to find a difference; adding several numbers | **MAS** Mental addition and subtraction; **PRA** Problem solving, reasoning and algebra | * **MAS.36** Know number bonds to 100 * **MAS.43** Add to the next multiple of 100 by counting up from any 2-digit or 3-digit number * **MAS.47** Quickly work out or recall bonds to 100 and to the next 100 * **MAS.44** Subtract a 3-digit from a 3-digit number (with a difference < 50) by counting up * **MAS.48** Add mentally several 1-digit numbers, multiples of 10 or 100 * **PRA.51** Organise work in a logical way * **PRA.57** Check that all solutions have been found |
| 2 | **Addition and subtraction**  Weeks 1 and 2 focus on mental strategies in addition and subtraction, including the use of a robust understanding of place value. | Read, write 4-digit numbers and know what each digit represents; compare 4-digit numbers using < and > and place on a number line; add 2-digit numbers mentally; subtract 2-digit and 3-digit numbers | **NPV** Number and place value; **MAS** Mental addition and subtraction | * **NPV.45** Understand place value in 4-digit numbers by creating 4-digit numbers, placing them on a number line and solving place value additions and subtractions * **NPV.46** Order and compare 4-digit numbers and say a number between * **MAS.31** Add pairs of 2-digit numbers with a total ≤ 198 * **MAS.28** Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back * **MAS.33** Subtract 2-digit from 2-digit numbers by counting up * **MAS.37** Subtract by counting up from a 2-digit to a 3-digit number < 200 * **MAS.38** Add and subtract 1-digit to and from 3-digit numbers * **MAS.44** Subtract a 3-digit from a 3-digit number (with a difference < 50) by counting up |
| 3 | **Multiplication and division**  Week 3 focuses on learning and using multiplication and division facts in solving more advanced problems. | Learn × and ÷ facts for the 6 and 9 times-table and identify patterns; multiply multiples of 10 by single-digit numbers; multiply 2-digit numbers by single-digit numbers (the grid method); find fractions of amounts | **MMD** Mental multiplication and division; **PRA** Problem solving, reasoning and algebra; **WMD** Written multiplication and division; **FRP** Fractions, ratio and proportion | * **MMD.46** Count in 6s and recall multiplication and division facts for the ×6 table * **MMD.47** Count in 9s and recall multiplication and division facts for the ×9 table * **MMD.42** Multiply multiples of 10 by 1-digit numbers * **MMD.43** Multiply mentally 2-digit by 1-digit numbers using partitioning * **PRA.52** Describe, predict and explain patterns * **WMD.43** Use known tables and place value to multiply 2-digit by 1-digit numbers with the grid method * **FRP.37** Find unit fractions of amounts and relate to division |
| 4 | **Time; length**  Week 4 focuses on telling the time, calculating time intervals and using m, cm and mm in the measurement of lengths. | Tell and write the time to the minute on analogue and digital clocks; calculate time intervals; measure in metres, centimetres and millimetres; convert lengths between units; record using decimal notation | **MEA** Measurement; **DPE** Decimals, percentages and their equivalence to fractions | * **MEA.54** Write and tell the time to the nearest minute using analogue and digital clocks * **MEA.52** Compare durations of events to calculate the time taken by particular events or tasks * **MEA.42** Measure, compare, add and subtract lengths or heights using m/cm/mm * **MEA.58** Begin to convert between different units of measure * **DPE.57** Relate 1-place decimals to 2-place decimals in the context of length (m and cm) * **DPE.58** Understand 2-place decimals in the context of money and length, recognise and write decimal equivalents to 1/4; 1/2; 3/4 |
| 5 | **Addition and subtraction**  Week 5 focuses on understanding and using formal written methods of addition and subtraction. | Add two 3-digit numbers using column addition; subtract a 3-digit number from a 3-digit number using an expanded column method (decomposing only in one column) | **WAS** Written addition and subtraction | * **WAS.43** Use compact column addition to add pairs of 3-digit numbers with a total < 1000 * **WAS.44** Use column addition to add three 3-digit numbers with a total < 1000 * **WAS.48** Use expanded decomposition to subtract 3-digit from 3-digit numbers |