

Wk Progression Focus

- 1 **Addition and subtraction**
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Weekly Summary

Read, write, compare and order 5-digit numbers, understanding the place value and using < and > signs; add and subtract multiples of 10, 100 and 1000 to and from 5-digit numbers; use written addition to add two 4-digit numbers; work systematically to spot patterns.

Add and subtract 2- 3- and 4-digit numbers mentally; choose a strategy for solving mental additions or subtractions; solve word problems

Strands

NPV Number and place value; **WAS** Written addition and subtraction; **PRA** Problem solving, reasoning and algebra

MAS Mental addition and subtraction; **NPV** Number and place value

Objectives

- **NPV.58** Understand place value in 5-digit numbers by creating 5-digit numbers, placing them on a number line and solving place value additions and subtractions
- **NPV.59** Order and compare 5-digit numbers and say a number between
- **WAS.54** Use column addition to add two 4-digit numbers with answers > 10000
- **PRA.63** Sustain a line of enquiry, make and test a hypothesis
- **MAS.28** Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back
- **MAS.31** Add pairs of 2-digit numbers with a total ≤ 198
- **MAS.33** Subtract 2-digit from 2-digit numbers by counting up
- **MAS.56** Use mental strategies to add 2-digit, 3-digit and 4-digit numbers
- **MAS.61** Use counting up as an efficient mental strategy with minimal jottings
- **MAS.49** Count up to subtract any 3-digit from 3-digit number
- **MAS.60** Use counting up to subtract 4-digit numbers from near multiples of 1000
- **NPV.33** Understand place value in 3-digit numbers by creating 3-digit numbers,

<p>3 Decimals; multiplication and division</p> <p>Week 3 focuses on multiplying and dividing to get decimal numbers, and then on mental strategies in multiplication and division.</p>	<p>Understand place value in decimal numbers; multiply and divide numbers with up to two decimal places by 10 and 100; multiply and divide by 0 and 100; add and subtract 0.1 and 0.01; multiply and divide by 4 by doubling or halving twice; use mental multiplication strategies to multiply by 20, 25 and 9</p>	<p>DPE Decimals, percentages and their equivalence to fractions; PRA Problem solving, reasoning and algebra; MMD Mental multiplication and division</p>	<p>placing them on a number line and solving place value additions and subtractions</p> <ul style="list-style-type: none"> • NPV.52 Use place value to add and subtract multiples of 10, 100 and 1000 to and from 4-digit numbers • DPE.60 Match 2-place decimals to 1/100s, using a place value grid • DPE.61 Use place value to multiply and divide numbers by 10 and 100, involving 2-place decimals • DPE.62 Use place value to add and subtract 0.1 and 0.01 to and from decimal numbers • PRA.64 Write and solve mathematical problems • PRA.71 Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes • MMD.41 Use doubling and halving to multiply and divide by 4 and 8 and solve correspondence problems • MMD.65 Use advanced mental multiplication strategies • MEA.63 Read, write and convert time between analogue and digital 12 and 24 hour clocks • MEA.52 Compare durations of events to calculate the time taken by particular events or tasks • MEA.55 Use 24 hour clocks • MEA.65 Convert between different units of measure, e.g. kilometres to metres, metres to
<p>4 Time; length</p> <p>Week 4 focuses on calculating time intervals and on measuring lengths in cm and mm including perimeters.</p>	<p>Revise converting 12-hour clock times to 24-hour clock times; find a time a given number of minutes or hours and minutes later; calculate time intervals using 24-hour clock format; measure lengths in mm and convert to cm; find perimeters in cm and convert cm to m</p>	<p>MEA Measurement</p>	

5 **Subtraction**

Week 5 focuses on using formal written subtraction and counting up as appropriate, including when finding change.

Solve subtraction using a written method for 3-digit – 3-digit numbers and for 4-digit numbers; use counting up (Frog) as a strategy to perform mental subtraction; find change from a multiple of ten pounds using counting up

WAS Written addition and subtraction; **MAS** Mental addition and subtraction

centimetres, etc.

- **MEA.67** Measure and calculate the perimeter of composite rectilinear shapes in m/cm
- **WAS.50** Use compact decomposition to subtract 3-digit from 3-digit numbers
- **WAS.55** Use expanded or compact decomposition to subtract numbers with up to 4-digits (easier)
- **MAS.49** Count up to subtract any 3-digit from 3-digit number
- **MAS.55** Subtract 3-digit from 4-digit numbers by counting up
- **MAS.67** Use counting up strategies to quickly calculate change