

Wk Progression Focus

Weekly Summary

Strands

Objectives

<p>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.</p>	<p>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</p>	<p>MAS Mental addition and subtraction; PRA Problem solving, reasoning and algebra</p>	<ul style="list-style-type: none"> • 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
<p>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.</p>	<p>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</p>	<p>NPV Number and place value; MAS Mental addition and subtraction</p>	<ul style="list-style-type: none"> • 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

3 **Multiplication and division**

Week 3 focuses on learning and using multiplication and division facts in solving more advanced problems.

Learn \times and \div 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

and from 3-digit numbers

- **MAS.44** Subtract a 3-digit from a 3-digit number (with a difference < 50) by counting up
- **MMD.46** Count in 6s and recall multiplication and division facts for the $\times 6$ table
- **MMD.47** Count in 9s and recall multiplication and division facts for the $\times 9$ 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
- **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 $1/4$; $1/2$; $3/4$

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

- 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

