

Wk Progression Focus

Weekly Summary

Strands

Objectives

<p>11 Place value</p> <p>Week 11 focuses on embedding a thorough understanding of place value and properties of numbers.</p>	<p>Rehearse place value in 3-digit numbers, order them on a number line and find a number in between; compare number sentences; solve additions and subtractions using place value; multiply and divide by 10 (whole number answers); count in steps of 10, 50 and 100.</p>	<p>NPV Number and place value; MAS Mental addition and subtraction; PRA Problem solving, reasoning and algebra</p>	<ul style="list-style-type: none"> • NPV.33 Understand place value in 3-digit numbers by creating 3-digit numbers, placing them on a number line and solving place value additions and subtractions • NPV.34 Order and compare 3-digit numbers and say a number between • NPV.38 Multiply 2-digit numbers by 10 • NPV.39 Divide 3-digit multiples of 10 by 10 • NPV.54 Divide large multiples of 10 and 100 by 10 and 100 to give whole number answers • NPV.40 Count in 10s and 100s up to 1000 • NPV.41 Count on and back in 50s • MAS.41 Add multiples of 10 and 100 to 3-digit numbers • MAS.42 Subtract multiples of 10 and 100 from 3-digit numbers • PRA.44 Spot patterns and relationships and make predictions
<p>12 Addition; times tables</p> <p>Week 12 focuses on using partitioning in addition; and on the 2, 3, 4, 5, 8 and 10 times tables.</p>	<p>Add pairs of 2-digit numbers using partitioning (crossing 10s, 100 or both) and then extend to add two 3-digit numbers (not crossing 1000); recognise and sort multiples of 2, 3, 4, 5, and 10; double the 4 times-table to find the 8 times-table; derive division facts for the 8 times-table; multiply and divide by 4 by doubling or halving twice</p>	<p>MAS Mental addition and subtraction; MMD Mental multiplication and division; STA Statistics; PRA Problem solving, reasoning and algebra</p>	<ul style="list-style-type: none"> • MAS.30 Add pairs of 2-digit numbers using partitioning (totals < 100) • MAS.31 Add pairs of 2-digit numbers with a total ≤ 198 • MAS.46 Mentally add two friendly 3-digit numbers

13 **Fractions**

Week 13 focuses on fractions as numbers, finding equivalent fractions, placing fractions on a line, and on fractions as operators, finding fractions of amounts.

Identify $\frac{1}{2}$ s, $\frac{1}{3}$ s, $\frac{1}{4}$ s, $\frac{1}{6}$ s, and $\frac{1}{8}$ s; realise how many of each make a whole; find equivalent fractions; place fractions on a 0 to 1 line; find fractions of amounts

FRP Fractions, ratio and proportion; **PRA** Problem solving, reasoning and algebra

- **MMD.39** Understand what a multiple is and identify multiples
- **MMD.40** Count in 8s and recall multiplication and division facts for the $\times 8$ table
- **MMD.41** Use doubling and halving to multiply and divide by 4 and 8 and solve correspondence problems
- **MMD.36** Double and halve numbers to 100, including partitioning 2-digit numbers
- **STA.11** Sort objects on to a Venn diagram (two overlapping sets)
- **PRA.44** Spot patterns and relationships and make predictions
- **FRP.24** Understand the concept of a non-unit fraction (non-unit halves, non-unit thirds, non-unit quarters, non-unit eighths)
- **FRP.32** Add fractions with the same denominator to make one whole
- **FRP.41** Understand unit and non-unit fractions with denominators ≤ 12
- **FRP.43** Know fraction complements to 1 (fractions with denominators ≤ 12)
- **FRP.34** Begin to understand equivalence by placing fractions on a number line
- **FRP.46** Develop an understanding of equivalence in fractions; $\frac{1}{2}$ s, $\frac{1}{3}$ s, $\frac{1}{4}$ s, $\frac{1}{5}$ s, $\frac{1}{6}$ s, $\frac{1}{8}$ s, $\frac{1}{10}$ s
- **FRP.33** Place fractions with denominators ≤ 8 on a

14 **Angles; 2D shapes**

Week 14 focuses on angles, including right angles, measurement of turn, and the ° symbol; and on properties of 2D shapes and finding perimeters.

Recognise right angles and know they are 90°; understand angles are measured in degrees; recognise ° as the symbol for the measurement of degrees; name and list simple properties of 2D shapes; begin to understand and use the term perimeter to mean the length/distance around the edge (border) of a 2D shape; begin to calculate using a ruler; know a right angle is a quarter turn; know 360° is a full turn; begin to understand angles and identify size of angles in relation to 90°

GPS Geometry: properties of shapes; **GPD** Geometry: position and direction; **MEA** Measurement

number line

- **FRP.25** Use fraction strips to find fractions of amounts
- **FRP.30** Find familiar fractions of small amounts
- **PRA.46** Solve problems involving fractions (unit and non-unit fractions with small denominators)
- **GPS.48** Identify whether angles are greater than or less than a right angle
- **GPS.50** Begin to understand that angles are measured in degrees
- **GPS.54** Estimate and measure angles, recognising that they are measured in degrees
- **GPS.24** Understand that 2D shapes with straight sides are polygons and so identify polygons
- **GPS.25** Name and identify 2D shapes including circles, ovals and simple polygons
- **GPS.30** Identify right angles in 2D shapes
- **GPS.45** Compare and classify squares, rectangles and triangles based on their properties and sizes
- **GPS.53** Identify and describe angles as more than 90°, less than 90° or right angles in 2D shapes
- **GPD.29** Associate angle with a measure of turn
- **GPD.30** Identify right angles (90°) as quarter turns
- **GPD.41** Identify right angles, recognising one right angle

15 **Addition and subtraction**

Weeks 15, 16 and 17 focus on the way a secure understanding of place value underpins rounding, mental addition and subtraction, and column methods of addition.

Place 3-digit numbers on empty 100 number lines; begin to place 3-digit numbers on 0-1000 landmarked and empty number lines; round 3-digit numbers to the nearest ten and to the nearest hundred; use counting up as a strategy to perform mental subtraction (Frog); subtract pounds and pence from five pounds; use counting up (Frog) as a strategy to perform mental subtraction of amounts of money; subtract pounds and pence from ten pounds

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

- as a quarter turn and two right angles as half a turn
- **GPD.44** Identify right angles, recognising three right angles as a three-quarter turn and four right angles as a whole turn
- **GPD.46** Associate angles smaller and larger than 90° with turn
- **MEA.53** Measure the perimeter of simple shapes
- **NPV.33** Understand place value in 3-digit numbers by creating 3-digit numbers, placing them on a number line and solving place value additions and subtractions
- **NPV.36** Round 3-digit numbers up or down to the nearest 100 and 10
- **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.40** Find change from £5, £10 and £20 by counting up