Year 5 Maths Objectives – Spring Term 2 2019

14	PRAProblem solving, reasoning and algebra GPSGeometry: properties of shapes MEAMeasurement STAStatistics	**2D shapes; measures** Week 14 focuses on exploring the properties of triangles, naming and identifying the different types; and then on SI units of measure, reading scales and conversion problems.	Know properties of equilateral, isosceles, scalene and right-angled triangles; find that angles in a triangle have a total of 180°; sort triangles according to their properties; use scales to weigh amounts to the nearest half interval; convert from grams to kilograms and vice versa, from millilitres to litres and vice versa, and from metres to kilometres and vice versa; read scales to the nearest half division; understand that we measure distance in kilometres and miles; use ready reckoning to give approximate values of miles in kilometres and vice versa; draw line conversion graphs
15	WASWritten addition and subtraction PRAProblem solving, reasoning and algebra MEAMeasurement	**Addition and subtraction** Week 15 focuses on column addition of decimal numbers, and on mental subtraction of decimal numbers.	Use a written column method to add amounts of money in pounds and pence; add 2-place decimals using written column addition; subtract decimal numbers using counting up (Frog)

Wk	Strands	Progression Focus	Weekly Summary
16	WMDWritten multiplication and division	**Multiplication and division** Weeks 16 and 17 focus on the development of written methods for multiplication and division; division is linked to finding fractions of large amounts.	Use a written method (grid) to multiply pairs of 2-digit numbers; use short division to divide 3-digit numbers by 1-digit numbers, including those which leave a remainder
17	WMDWritten multiplication and division FRPFractions, ratio and proportion	**Multiplication and division** Weeks 16 and 17 focus on the development of written methods for multiplication and division; division is linked to finding fractions of large amounts.	Find unit fractions and non-unit fractions of 3-digit numbers; use short multiplication to multiply 3-digit numbers by 1-digit numbers; begin to use short multiplication to multiply 4-digit numbers by 1-digit numbers
18	GPSGeometry: properties of shapes PRAProblem solving, reasoning and algebra MEAMeasurement	**2D shapes; angles; measures** Week 18 focuses on developing understanding of polygons and angles, particularly in relation to quadrilaterals; metric units are then revised and regularly used imperial units are taught.	Understand what a polygon is; draw polygons using dotted square and isometric paper; revise terms obtuse, acute and reflex angles, perpendicular and parallel sides; recognise quadrilaterals as polygons and identify their properties; classify quadrilaterals; draw regular polygons and explore their properties; revise metric units of weight, capacity and length; understand that we can measure in imperial units and relate these to their instances in daily life

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Wk	Strands	Progression Focus	Weekly Summary
19	FRP Fractions, ratio and proportion PRA Problem solving, reasoning and algebra	**Fractions** Week 19 focuses on revising proper fractions and equivalent fractions, and then moves on to mixed numbers and improper fractions; proper fractions are multiplied by whole numbers.	Place mixed numbers on lines; count up in fractions using equivalence; convert improper fractions to mixed numbers and vice versa; write improper fractions as mixed numbers and vice versa; multiply proper fractions by whole numbers
20	WAS Written addition and subtraction PRA Problem solving, reasoning and algebra	**Addition and subtraction** Week 20 focuses on rehearsing column subtraction and extending to larger / more difficult numbers; column addition and subtraction are used to solve problems.	Solve subtraction of 4-digit numbers using written column subtraction (decomposition); add several numbers using written column addition; use column to solve problems