

Plan: Abacus Year 5 **Term:** Spring 2 **School Name:** Seaton Sluice Middle School

Wk	Weekly Summary	Strands	Objectives
16	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	Written multiplication and division (WMD)	<p>WMD.56 Use the grid method to multiply 2-digit by 2-digit numbers and solve problems in which n objects are connected to m objects (distributive law)</p> <p>WMD.61 Use short division to divide 3-digit by 1-digit numbers with no remainders</p> <p>WMD.59 Understand when it is appropriate to round up or down after division</p> <p>WMD.62 Use short division to divide 3-digit by 1-digit numbers with integer remainders</p>
17	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	Written multiplication and division (WMD)	<p>WMD.61 Use short division to divide 3-digit by 1-digit numbers with no remainders</p> <p>WMD.63 Use short multiplication to multiply 3-digit numbers by 1-digit numbers</p> <p>WMD.64 Use short multiplication to multiply 4-digit numbers by 1-digit numbers</p>
		Fractions, ratio and proportion (FRP)	FRP.62 Understand fractions as operators and relate this to division; find non-unit fractions of large numbers
18	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	Geometry: properties of shapes (GPS)	<p>GPS.24 Understand that 2D shapes with straight sides are polygons and so identify polygons</p> <p>GPS.42 Identify parallel and perpendicular lines in 2D shapes</p> <p>GPS.56 Compare and classify acute and obtuse angles; order angles up to 180°</p> <p>GPS.68 Compare angles up to 360°, including reflex angles</p> <p>GPS.59 Compare and classify quadrilaterals according to their properties</p> <p>GPS.62 Recognise that angles on a straight line total 180° and angles round a point total 360°</p> <p>GPS.64 Distinguish between regular and irregular polygons based on reasoning about equal sides and angles</p>
		Problem solving, reasoning and algebra (PRA)	PRA.65 Use mathematical reasoning to explain findings, patterns and relationships
		Measurement (MEA)	<p>MEA.29 Choose and use appropriate standard units to measure lengths and heights in any direction</p> <p>MEA.30 Choose and use appropriate standard units to measure weights (mass)</p> <p>MEA.31 Choose and use appropriate standard units to measure capacities</p> <p>MEA.69 Understand and use basic equivalences between metric and imperial units; express these in approximate terms</p>

	these to their instances in daily life		
19	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	Fractions, ratio and proportion (FRP)	FRP.48 Count in fractions, including equivalents FRP.63 Place mixed fractions on a number line to compare fractions with the same denominator FRP.64 Convert mixed numbers to improper fractions and vice versa FRP.65 Multiply fractions by whole numbers
		Problem solving, reasoning and algebra (PRA)	PRA.70 Identify patterns, devise and test rules and use them to make predictions
20	Solve subtraction of 4-digit numbers using written column subtraction (decomposition); add several numbers using written column addition; use column to solve problems	Written addition and subtraction (WAS)	WAS.55 Use expanded or compact decomposition to subtract numbers with up to 4-digits (easier) WAS.58 Use expanded or compact decomposition to subtract numbers with up to 4-digits (harder) WAS.56 Use column addition to add several numbers with up to 4-digits with answers > 10000 WAS.64 Use column addition to add several numbers with up to 4-digits
		Problem solving, reasoning and algebra (PRA)	PRA.70 Identify patterns, devise and test rules and use them to make predictions ASSESSMENTS – SPRING END OF TERM TEST IN ARITHMETIC, PROBLEM SOLVING AND REASONING