

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

<b>Wk</b>	<b>Weekly Summary</b>	<b>Strands</b>	<b>Objectives</b>
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><b>WMD.56</b> 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><b>WMD.61</b> Use short division to divide 3-digit by 1-digit numbers with no remainders</p> <p><b>WMD.59</b> Understand when it is appropriate to round up or down after division</p> <p><b>WMD.62</b> 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><b>WMD.61</b> Use short division to divide 3-digit by 1-digit numbers with no remainders</p> <p><b>WMD.63</b> Use short multiplication to multiply 3-digit numbers by 1-digit numbers</p> <p><b>WMD.64</b> Use short multiplication to multiply 4-digit numbers by 1-digit numbers</p>
		Fractions, ratio and proportion (FRP)	<b>FRP.62</b> 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><b>GPS.24</b> Understand that 2D shapes with straight sides are polygons and so identify polygons</p> <p><b>GPS.42</b> Identify parallel and perpendicular lines in 2D shapes</p> <p><b>GPS.56</b> Compare and classify acute and obtuse angles; order angles up to 180°</p> <p><b>GPS.68</b> Compare angles up to 360°, including reflex angles</p> <p><b>GPS.59</b> Compare and classify quadrilaterals according to their properties</p> <p><b>GPS.62</b> Recognise that angles on a straight line total 180° and angles round a point total 360°</p> <p><b>GPS.64</b> Distinguish between regular and irregular polygons based on reasoning about equal sides and angles</p>
		Problem solving, reasoning and algebra (PRA)	<b>PRA.65</b> Use mathematical reasoning to explain findings, patterns and relationships
		Measurement (MEA)	<p><b>MEA.29</b> Choose and use appropriate standard units to measure lengths and heights in any direction</p> <p><b>MEA.30</b> Choose and use appropriate standard units to measure weights (mass)</p> <p><b>MEA.31</b> Choose and use appropriate standard units to measure capacities</p> <p><b>MEA.69</b> 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)	<b>FRP.48</b> Count in fractions, including equivalents <b>FRP.63</b> Place mixed fractions on a number line to compare fractions with the same denominator <b>FRP.64</b> Convert mixed numbers to improper fractions and vice versa <b>FRP.65</b> Multiply fractions by whole numbers
		Problem solving, reasoning and algebra (PRA)	<b>PRA.70</b> 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)	<b>WAS.55</b> Use expanded or compact decomposition to subtract numbers with up to 4-digits (easier) <b>WAS.58</b> Use expanded or compact decomposition to subtract numbers with up to 4-digits (harder) <b>WAS.56</b> Use column addition to add several numbers with up to 4-digits with answers > 10000 <b>WAS.64</b> Use column addition to add several numbers with up to 4-digits
		Problem solving, reasoning and algebra (PRA)	<b>PRA.70</b> Identify patterns, devise and test rules and use them to make predictions  <b>ASSESSMENTS – SPRING END OF TERM TEST IN ARITHMETIC, PROBLEM SOLVING AND REASONING</b>