



Year 6 Maths MTP- Spring 1						
	Week 1	Week 2 and 3		Week 4	Week 5	Week 6
	Ratio	Measures, Shape		Geometry	Testing week	Shape
<b>Times tables (fast facts)</b>	Flashbacks – squared numbers Subtracting decimals	Flashbacks – Percentage Multiply decimals	Flashbacks – long division	Flashbacks – long multiplication		Flashbacks – $x \div 10, 100, 1000$
<b>Steps coverage</b>	M- <b>Training Day</b> T- Step 1 Add or multiply? W- Step 2 Use ratio language T- Step 3 Introduction to the ratio symbol F- Step 4 Ratio and fractions	M- Step 1 Metric measures T- Step 2 convert metric measures W- Step 3 Calculate with metric measures T- step 1 measure and classify angles F- <b>Arithmetic percentages</b>	M- step 4 – angles in a triangle T- step 1 shapes same area W- step 2 area and perimeter T- step 7 volume F- <b>Arithmetic mixed fractions</b>	M- step 1 the first quadrant T- step 2 read and plot points in four quadrants W- step 4 translations T- step 5 reflections F- <b>Arithmetic revision</b>		M- Year 5 step 9 regular and irregular polygons T- Year 5 step 10 3D shapes W- Year 6 step 9 circles T- Year 6 step 11 nets of 3D shapes F- <b>Arithmetic revision</b>
<b>SEN objectives (different year group)</b>	M- T- W- T- F-	M- T- W- T- F-	M- T- W- T- F-	M- T- W- T- F-	M- T- W- T- F-	M- T- W- T- F-
<b>EHCP objectives</b>						
<b>National curriculum coverage</b>	<ul style="list-style-type: none"> <li>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</li> <li>Solve problems involving unequal sharing and grouping</li> </ul>	<ul style="list-style-type: none"> <li>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate</li> <li>Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places</li> </ul>		<ul style="list-style-type: none"> <li>Describe positions on the full coordinate grid (all four quadrants)</li> <li>Draw and translate simple shapes on the coordinate plane, and reflect them in the axes</li> </ul>		<ul style="list-style-type: none"> <li>Distinguish between regular and irregular polygons based on reasoning about equal sides and angle (Y5)</li> <li>Identify 3-D shapes, including cubes and other cuboids, from 2-D representations (Y5)</li> <li>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius</li> </ul>

	<p>using knowledge of fractions and multiple</p> <ul style="list-style-type: none"><li>• Solve problems involving similar shapes where the scale factor is known or can be found</li></ul>	<ul style="list-style-type: none"><li>• Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles</li><li>• Draw given angles, and measure them in degrees (<math>^{\circ}</math>) (Y5)</li><li>• Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles (Y5)</li><li>• Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons</li><li>• Recognise that shapes with the same areas can have different perimeters and vice versa</li><li>• Recognise when it is possible to use formulae for area and volume of shape</li><li>• Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (<math>\text{cm}^3</math>) and cubic metres (<math>\text{m}^3</math>), and extending to other units</li></ul>			<ul style="list-style-type: none"><li>• Recognise, describe and build simple 3-D shapes, including making nets</li></ul>
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