

SPRING	4 Fractions, ratio and percentages	
Wk 15 03/01/2024	4.1 Fractions	Add, subtract, multiply and divide fractions and mixed numbers. Find the reciprocal of an integer, decimal or fraction.
Wk 16 08/01/2024	4.2 Ratios	Write ratios in the form 1 : n or n : 1. Compare ratios. Find quantities using ratios. Solve problems involving ratios.
	4.3 Ratio and proportion	Convert between currencies and measures. Recognise and use direct proportion. Solve problems involving ratios and proportion.
Wk 17 15/01/2024	4.4 Percentages	Work out percentage increases and decreases. Solve real-life problems involving percentages.
	4.5 Fractions, decimals and percentages	Work out percentage increases and decreases. Solve real-life problems involving percentages.
SPRING	5 Angles and trigonometry	
Wk 18 22/01/2024	5.1 Angle properties of triangles and quadrilaterals	Derive and use the sum of angles in a triangle and in a quadrilateral. Derive and use the fact that the exterior angle of a triangle is equal to the sum of the two opposite interior angles.
	5.2 Interior angles of a polygon	Calculate the sum of the interior angles of a polygon. Use the interior angles of polygons to solve problems.
	5.3 Exterior angles of a polygon	Know the sum of the exterior angles of a polygon. Use the angles of polygons to solve problems.
Wk 19 29/01/2024	5.4 Pythagoras' theorem 1	Calculate the length of the hypotenuse in a right-angled triangle. Solve problems using Pythagoras' theorem.
	5.4 Pythagoras' theorem 1	Calculate the length of a shorter side in a right-angled triangle. Solve problems using Pythagoras' theorem.
Wk 20 05/02/2024	5.6 Trigonometry 1	Use trigonometric ratios to find lengths in a right-angled triangle. Use trigonometric ratios to solve problems.
	5.7 Trigonometry 2	Use trigonometric ratios to calculate an angle in a right-angled triangle. Find angles of elevation and angles of depression. Use trigonometric ratios to solve problems. Know the exact values of the sine, cosine and tangent of some angles.