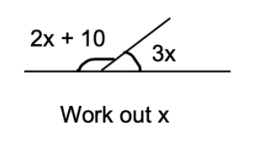
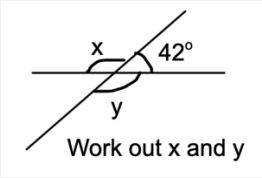
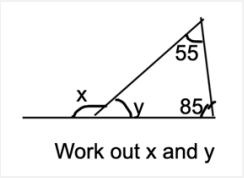
Year 8 Term 2

Learning Aim	Emerging	Developing	Securing	Mastering
Algebra Equations	Solve one step equations & inequalities where letters are used for unknown value	Solve equations that inc two or more steps, brackets and fractions. Solve inequalities and display on a number line	Solve equations & inequalities with variables both sides. Form and solve simple equations such as angles	
Substitution	Substitute in to simple expressions	Substitute in to basic formula including linear to find y	Rearrange formulae with one variable	
Sequences	Finding next terms	Finding missing terms in any sequences	Finding nth terms of linear sequences & patterns	
Examples	3x < 12 b = 5 work out 3 + b 1, 5, 9, 13, …, …	3(2x + 4) = 50 $12 \leq \frac{x+4}{2}$ C = ma Where m = 2.5 and a = -3 1,1,2,3,5,8,…,…	5x – 8 = 2x + 1  Make p the subject M = 2p + 3c Write the nth term for 9, 12, 15, 18, …	
Angles	Apply properties of angles at a point straight line and vertically opposite.	Apply properties of angles in triangles, quadrilaterals and parallel lines	Apply methods and formulae to irregular and regular polygons	
				

Extension opportunities	Introduction to:
Algebra	Equations with fractions on both sides. Generate quadratic sequences
Angles	Multi-step regular polygon questions

You can find practice on all the topics taught this term at Mathsworkout.co.uk
Login: sarum
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Go to algebra section: 05,19 geometry section: 07, 08

Choosing the right level of difficulty for you within each topic area.