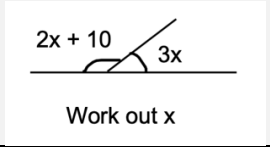
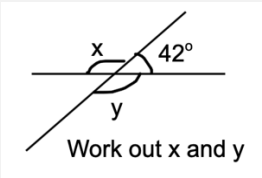
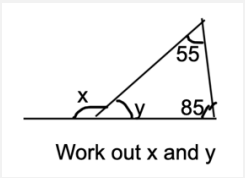
Year 7 Term 6

Learning Aim	Emerging	Developing	Securing	Mastering
Algebra	Solve one step equations where letters are used for unknown value	Solve two step equations Inc. equations with 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	
Examples	4 + x = 11	3x + 7 = 34 3(8 – 2x) = 16 7z – 12 < 72	5x – 8 = 2x + 1 	
Substitution	Substitute in to simple expressions	Substitute in to basic formula including linear to find y		
Examples	a = 7 work out i) a + 3 ii) 4a	y = 6x – 7 Work out y when x is 4 If a = 3 and b = 5 Work out 2a – 3b		
Angles	Apply properties of angles at a point straight line and vertically opposite.	Apply properties of angles in triangles, quadrilaterals and parallel lines		
				

Extension opportunities	Introduction to:
Algebra	Equations with variable on both sides. Substitution with negative number
Angles	Multi-step angles 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

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