

# Maths Workout - Algebra & Problem Solving

<b>Topic 25 - Inequalities</b>				
<b>Target 1</b>	<b>Target 2</b>	<b>Target 3</b>	<b>Target 4</b>	
<i>Write and interpret an inequality and represent it on a number line</i>	<i>Write and interpret a combined inequality and represent it on a number line</i>	<i>Solve an inequality algebraically</i>	<i>Solve an inequality with fractions algebraically</i>	
1. Demo: Know the 4 inequality signs, and the representation of an inequality on a number line	1. Demo: Understand a combined inequality	1. Demo: Solve an inequality by reversing the inequality sign	1. Solve an inequality with fractions	
2. Match an inequality phrase with its algebraic form	2. Match a combined algebraic inequality with its representation on a number line	2. Demo: Understand the reason behind reversing the inequality sign, and how to avoid it	2. Solve an inequality with fractions	
3. Speed Response: Select the correct inequality symbol for a numerical comparison	3. Represent a combined inequality on a number line	3. Solve an inequality		
4. Speed Response: Select the correct inequality symbol for a comparison of quantities	4. Express a combined inequality in context in algebraic form	4. Solve an inequality		
5. Match an algebraic inequality with its representation on a number line	5. Identify the solution set of integers defined by a combined inequality	5. Solve an inequality		
6. Represent an inequality on a number line		6. Solve an inequality		
7. Identify a particular value defined by an inequality		7. Speed response: Solve an inequality		
8. Express an inequality in context in algebraic form				