SOLVING EQUATIONS								
Keywords:	Solve / Equation / Coefficient / Inverse / Equal / Linear Equation							
Definition / Description:	Solve : To find the answer/value of something	Equation : A mathematical statement that shows two things are equal	Coeffic number multiply algebrai	ient : A or letter ing an ic term	Inverse : The reverse or opposite		Equal : An equals sign shows the equality between two expressions	Linear Equation : An equation where no variable has a power greater than one
Knowledge points:	Solve simple linear equations by using inverse operations Solve simple linear equations with integer coefficients where the unknown appears on one or both sides of the equation or where the equation involves brackets Set up a simple linear equation to solve problems							
Knowledge point examples:	One Step 3a = 15 $(\div 3)$ $(\div 3)$ a = 5	Two Step 4a - 3 = 1 (+3) 4a = 20 $(\div 4)$ a = 5) (+3) (÷4)	With I 2(a + 2a + (-6) 2a (÷2) a =	Brackets 3) = 11 6 = 11 (-6) = 5 (÷2) = 2.5	Unk (-3a) 7 (-11) (÷2)	knowns on both sides - 7 = 5a + 11 (-3a) = 2a + 11 (-11) -4 = 2a (÷2) a = -2	Forming and solving equations: Jack is y years old. His brother John is 5 years older than him. The sum of their ages is 21. How old is Jack? y + y + 5 = 21 2y + 5 = 21 (-5) (-5) 2y = 16 ($\div 2$) ($\div 2$) y = 8 Jack is 8 years old
Linked Knowledge Maps:	Algebraic Manipulation and Notation / Linear Graphs / quadratic equations / inequalities / simultaneous equations / linear sequences							