Simultaneous Eqns							
YEAR	QUESTION						
2014	2	Two groups of people go to a theatre. Bill buys tickets for 5 adults and 3 children. The total cost of his tickets is £158·25. (a) Write down an equation to illustrate this information. 1 (b) Ben buys tickets for 3 adults and 2 children. The total cost of his tickets is £98.					
		Write down an equation to illustrate this information. (c) Calculate the cost of a ticket for an adult and the cost of a ticket for a child.					
2015	1	Solve algebraically the system of equations $3x + 2y = 17$ $2x + 5y = 4.$ 3					
2016	1	Charlie is making costumes for a school show. One day he made 2 cloaks and 3 dresses. The total amount of material he used was 9·6 square metres. (a) Write down an equation to illustrate this information. 1 (b) The following day Charlie made 3 cloaks and 4 dresses. The total amount of material he used was 13·3 square metres. Write down an equation to illustrate this information. 1 (c) Calculate the amount of material required to make one cloak and the amount of material required to make one dress. 4					
2017	1	The graph below shows two straight lines with the equations: • $3x - y = 2$ • $x + 3y = 19$ The lines intersect at the point P. Find, algebraically, the coordinates of P.					

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2018	1				
	Solve, algebraically, the system of equations				
		4x + 5y = -3			
		6x-2y=5.	3		
2019	1				
		John bought 7 bags of cement and 3 bags of gravel.			
		The total weight of these bags was 215 kilograms.			
		(a) Write down an equation to illustrate this information.	1		
		(a) Write down an equation to mustrate this miorination.	•		
		Shona bought 5 bags of cement and 4 bags of gravel.			
		The total weight of her bags was 200 kilograms.			
		(b) Write down an equation to illustrate this information.	1		
		(c) Calculate the weight of one bag of cement and the weight of one bag of			
		gravel.	4		
2022	2				
		Moira buys 4 mangoes and 3 apples at a fruit shop.			
		The total cost is £4.25.			
		(a) Write down an equation to illustrate this information.	1		
		Sami buys 5 mangoes and 2 apples in the same fruit shop.			
		The total cost is £4.70.			
		(b) Write down an equation to illustrate this information.	1		
		(c) Calculate, algebraically, the cost of a mango and the cost of an apple.	4		