لر ک	Where 2 lines creats Past Paper Simultaneous Equations Type Questions Intermediate 2 Created by MrLafferty@mathsrevision.com	
Q1.	Solve algebraically the system of equations.	
	2x + 6y = 24 (A)	
	$J_{A} \neq J_{Y} - LT$ (B)	(3 marks)
Q2.	A jeweller uses two different arrangements of beads and pearls.	
	The second arrangement consists of 5 beads and 4 pearls and has an overall length of 11.4 centimetres.	
	Find the length of one bead and the length of one pearl.	
		(6 marks)
Q3.	A sports centre charges different entrance fees for adults and children.	
	(a) One evening 3 adults and 6 children visited the sports centre.	
	The total collected in entrance fees was $f_{\rm c}$ 71.10	
	Let f , x be the adult's entrance fee and f , y be the child's entrance fee.	
	Write down an equation in x and y which represents the above condition.	(1 mark)
	(b) The following evening 6 adults and 3 children visited the sports centre.	
	The total collected in entrance fees was \pm 84.60	
	Write down an equation in x and y which represents the above condition.	(1 mark)
	(c) Calculate the entrance fee for an adult and the entrance fee for a child.	
		(4
		(4 marks)
Q4.	Seats on flights from London to Glasgow are sold at two prices, £ $$ 40 $$ and £ 90 $$.	
	On one flight a total of 80 seats were sold.	
	Let x be the number of sents could at $f = 40$ and y be the number of sents could at $f = 90$	
	Write down an equation in x and y which satisfies the above condition.	(1 mark)
	The sale of the seats on this flight totalled f 5700	
	(b) Write down a second equation in x and y which satisfies this condition.	(1 mark)
	(c) How many seats were sold at each price?	(4 marks)
Q5.	At an amusement park, the Green family buy 3 tickets for the ghost train and 5 tickets for the sky ride.	
	The total cost is £ 14.80 .	
	Lat $\mathcal E$ when the cases of a ticket for the above train and $\mathcal E$ when the cases of a ticket for the clauside	
	Let <u><u></u> <u></u> <u></u></u>	
		(1 mark)
	(b) The Black family bought 6 tickets for the ghost train and 2 tickets for the sky ride. The table set for the tickets was 6 16.00	
	Write down an equation in \boldsymbol{x} and \boldsymbol{y} which satisfies the above condition.	
1		(1 mark)
1	(c) Find the cost of a ticket for the ghost train and the cost for the sky ride.	
1		(4 marks)