1.	At Jumbo's Burger Bar, Jumbo burgers cost $\pounds J$ each and regular cokes cost $\pounds C$ each. Two Jumbo burgers and three regular cokes cost $\pounds 5.95$.		
	(a)	Write an equation to show this.	
	(b)	If one Jumbo Burger costs £2.15, what is the cost, in pence, of one regular coke?	
		(Total 4 marks)	
2.		umber in Australia charges 90 AUD per hour for work, plus a fixed cost. His total charge is sented by the cost function $C = 60 + 90t$, where t is in hours.	
	(a)	Write down the fixed cost.	
		(1)	
		1	
	(b)	It takes $3\frac{1}{2}$ hours to complete a job for Paula. Find the total cost.	
		(2)	
	(c)	Steve received a bill for 510 AUD. Calculate the time it took the plumber to complete the job.	
		(3) (Total 6 marks)	
3.		cost c , in Australian dollars (AUD), of renting a bungalow for n weeks is given by the $c = nr + s$, where s is the security deposit and r is the amount of rent per s .	
	Ana rented the bungalow for 12 weeks and paid a total of 2925 AUD.		
	Raquel rented the same bungalow for 20 weeks and paid a total of 4525 AUD.		
	Find	the value of	
	(a)	r, the rent per week;	
	(b)	s, the security deposit.	
		(Total 8 marks)	

4. The following table gives the postage rates for sending letters from the Netherlands. All prices are given in Euros (\mathfrak{C}) .

Destination	Weight not more than 20 g	Each additional 20 g or part of 20 g
Within the Netherlands (zone 1)	€0.40	€0.35
Other destinations within Europe (zone 2)	€0.55	€0.50
Outside Europe (zone 3)	€0.80	€0.70

- (a) Write down the cost of sending a letter weighing 15 g from the Netherlands to a destination within the Netherlands (zone 1).
- (b) Find the cost of sending a letter weighing 35 g from the Netherlands to a destination in France (zone 2).
- (c) Find the cost of sending a letter weighing 50 g from the Netherlands to a destination in the USA (zone 3).

(Total 8 marks)

- 5. The conversion formula for temperature from the Fahrenheit (F) to the Celsius (C) scale is given by $C = \frac{5(F-32)}{9}$.
 - (a) What is the temperature in degrees Celsius when it is 50° Fahrenheit?

There is another temperature scale called the Kelvin (K) scale. The temperature in degrees Kelvin is given by K = C + 273.

(b) What is the temperature in **Fahrenheit** when it is zero degrees on the Kelvin scale?

(Total 8 marks)