10	Layla invests money in the bank and receives compound interest. The amount £L that she has after t years is given by the equation $L = 2800 \times 1.023^t$.			
	(a)	(i)	State the amount she invests.	[1]
	2	(ii)	State the annual rate of interest.	[1]
Amit invests £3000 and receives 2% compound interest per year. The amount £A that It years is given by the equation $A = ab^t$.				ter
	(b)	Det	ermine the values of the constants a and b .	[2]
	(c)	Lay	la and Amit invest their money in the bank at the same time.	
			ermine the value of t for which Layla and Amit have equal amounts in the bank. Give r answer correct to 1 decimal place.	[3]