LQ - How can we answer functional exam style questions? - w	www.m4ths.com Name	
Success criteria: (1) I can extract the maths from the question. (3) I can check my answer and make sure it's realistic.	(2) I can set up a logical answer using the correct un (4) I understand how to score full marks on a question	
Task 1 -		
(1) A recipe for 8 cakes requires 200g of sugar. Find how many ca workings.	skes you can make with 80g of sugar. You must show you	ur (3 marks)
(2) Kevin works for £6.85 an hour. How many hours will he have	to work until he earns at least £120?	(2 marks)
(3) Kate has 0.2 of £40 in her pocket. If she spends £3.60 on a mag	gazine how much does she have left?	(3 marks)
(4) Helen is p years old. Sam is two years older than Helen. Given	their combined age is 24:	
(a) Set up and solve an equation to find p.	-	(2 marks)
(b) Find the age of Helen and the age of Sam.		(2 marks)
(5) Laura knows she can buy 8 identical pens for 96p. Given that s	she has £1.77, how many pens can she buy?	(3 marks)
(6) John is having an argument with Sue. John says 15% of £50 is show your workings.	more than ¾ of £12. Sue says he is wrong. Who is right?	You must (3 marks)
(7) Annie has a pay reduction of 8%. Given that she originally earn	ned £240 a week, find out what she now earns each week	a. (3 marks)
Task 2 -		
(1) Jenny and Tim work at the same shop. Tim works 42 hours and how much more Jenny will be paid than Tim if they both work 25		rk. Find out (4 marks)
(2) A rectangular field has side lengths of 18m and 24m. James wa	ants to put up a fence around the entire perimeter of the fi	ield.
Fencing usually costs £12 a meter but any order over £750 receive at the local fencing store. Find the total cost James will have to pay	es a 10% discount and any order over £1000 receives a 12	
(3) Some money is shared between Ahmed, Betty and Cathy in the money Cathy received.	e ratio 3:4:2. Given that Ahmed has £36, find ¾ of the am	nount of (4 marks)
(4) Kevin has n coins. Jo has twice as many coins as Kevin and Ky find how many coins each person has.	ylie has 3 less than Kevin. Given that they have a total of	37 coins, (4 marks)
(5) Tina is following a recipe for some cakes. She needs 200g of fl has 350g of flour, 6 eggs 225g of sugar & 1kg of butter at home. F		akes. Tina (5 marks)
(6) Freda buys a car with 32613 miles on the clock. When she sells does 9 miles, find out how many litres of petrol Freda used whilst		re of petrol (3 marks)
(7) It takes 8 men 5 days to build a wall. How long would it take 4	men to build half a wall if they worked at the same rate?	? (3 marks)
(8) A car can do 12 miles on a litre of petrol. Given that petrol cost	ts £1.10 a litre, find the cost of a journey of 132 miles.	(3 marks)
(9) John is thinking of a double digit prime number. If he halves it less than 25. Write down the number John is thinking about.	the answer will be more than 5. If he doubles it the answ	ver will be (3 marks)
Task 3 – (1) A tank has 42lts of water in and is ¾ full. If water pours into the completely from empty.	ne tank at 500ml a minute, find the time the tank will take	e to fill up (4 marks)
(2) A school has 200 students in total spread over years 7, 8, 9, 10 students are in year 8. The remaining students are spread across year the school?		
(3) Rob has some marbles. Dianne has three times as many as Rob have 89 marbles in total, find out how many more marbles Dianne		that they (5 marks)
(4) Jessie has a collection of coins. She knows that 75% of her coin (a) Given there are 36 coins in her loft, work out many coins does		(2 marks)

(2 marks)

(4 marks)

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(5) Money is shared in the ratio 2:3:5 between Jane, Kelly and Bill. Given that Kelly had £16, find 30% of Bill's share.

(b) Explain why she can't reduce her coin collection by 10%.