Q1.	Luke	e saves 10p coins and 20p coins.	
	He h	nas	
		three times as many 10p coins as 20p coins a total of £17	
	How	many 10p coins does he have?	
		Answer	otal 2 marka)
		71)	otal 3 marks)
Q2.			
QZ.	In Sc	cotland, squirrels are red or grey in the ratio red : grey = 1 : $2\overline{2}$	
	(a)	What fraction of the squirrels in Scotland are red?	
		Answer	(2)

(b) In Scotland there are 120 000 red squirrels.

		How many squirrels are there altogether in Scotland?	
		Answer	
		/ WIOW 01	(2)
		(Total 4	marks)
Q3.	(-)	Divide 0700 in the nation of the	
	(a)	Divide £720 in the ratio 5:1	
		Answer £ and £	(2)
			, ,
	(b)	Sarah has £135 Gemma has £70 Beth has £35	
		Sarah gives some money to Gemma and Beth.	
		The ratio of the amount of money Sarah, Gemma and Beth have now is 3 : 2 : 1	
		How much money did Sarah give to Gemma?	

	Answer £	
	r	(4)
	(Total 6 marks)
Q4.		
	There are 40% more black balls than white balls in a bag.	
	Work out the ratio of black balls to white balls.	
	Give your answer in its simplest form.	
	Answer:: ::	
	(**	Total 2 marks)
Q5.		
٦٥.	Abby and Judy share some money.	
	Abby gets 25%	
	7.65) gote 2576	
	(a) Write Abby's share: Judy's share as a ratio.	
	Give your answer in its simplest form.	
	- · · · · · · · · · · · · · · · · · · ·	
	Answer: :	
		(2)

	(b)	Judy gets £19.50
		How much does Abby get?
		Answer £(2)
		(Total 4 marks)
Q6.		
	Johr	n has 500 ml of apple juice.
		He wants to mix apple juice with fizzy water in the ratio 1:10
		Fizzy water is sold in 1500 ml bottles.
		k out the smallest number of bottles of fizzy water needed to mix all the apple juice. must show your working.
		Answer(Total 4 marks)
Q7. A	A recip	pe needs 300 grams of flour to make 4 cakes.
	(a)	How much flour is needed to make 6 cakes?

	Answer grams	(2)
(b)	1 kg = 1000 grams How many cakes can be made from a 1.5 kg bag of flour? Answer	(3) (Total 5 marks)
Whic	Pack of 2 £1.38 Pack is the better value for money? must show your working.	

		Answer	
			(Total 3 marks)
Q9. D	ivide 4	4860 in the ratio 5 : 4 : 3	
	Answ	ver: :: ::	-
			(Total 3 marks)
Q10.			
۷.0.	A sm	noothie recipe uses banana, kiwi and yoghurt in the ratio 4:1:3 by we	ght.
	(a)	A smoothie is made using 280 g of banana.	
		How much kiwi and yoghurt are needed?	
		Kiwi g	
		Yoghurt g	(3)
	(b)	Each smoothie costs 72p to make.	
		The smoothies are sold at the school fayre.	
		The school wants to make at least 30% profit on each smoothie.	
		Work out the cheapest selling price to do this.	

	Answer(Total 7 ma	(4) arks)
A sm (a)	moothie recipe uses banana, kiwi and yoghurt in the ratio 4:1:3 by weight. A smoothie is made using 280 g of banana. How much kiwi and yoghurt are needed?	
	Kiwi g Yoghurt g	(3)
(b)	Express the weight of kiwi as a percentage of the weight of the smoothie. Answer	
(c)	Each smoothie costs 72p to make. (i) The smoothies are sold at the school fayre. The school wants to make at least 30% profit on each smoothie. Work out the cheapest selling price to do this.	(2)

Answer
The cost of banana for one smoothie is 15p. The price of bananas increases by 40%.
Work out the percentage increase in the cost of making a smoothie.
Answer %