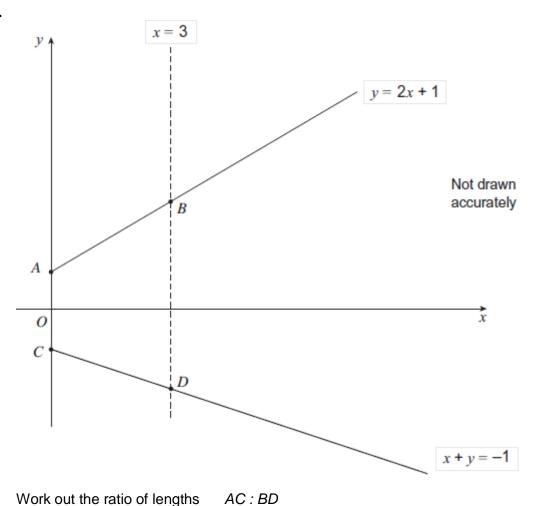
Q1.	Ther	re are 40% more black balls than white balls in a bag.	
		k out the ratio of black balls to white balls. your answer in its simplest form.	
	•••••		
	•••••		
		Answer:	Tatal O manus
		(Total 2 marks
00			
Q2.	Abby Abby	y and Judy share some money. y gets 25%	
	(a)	Write Abby's share: Judy's 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)

Q3.



.....

Answer: :

(Total 4 marks)

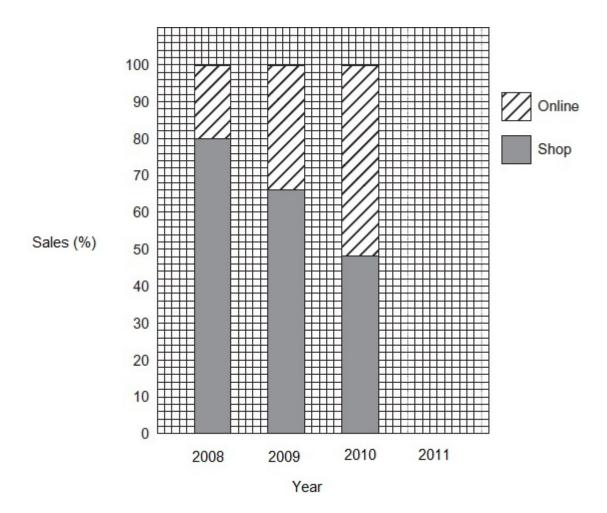
	and Robin buy raffle tickets. prize is £ 120.	
	et buys 5 tickets. sin buys 1 ticket.	
(a)	Who has the better chance of winning? Give a reason for your answer.	
		(1)
(b)	In total, 300 tickets were sold.	
	What is the probability that Janet wins? Give your answer as a fraction in its simplest form.	
	Answer	(2)
(c)	Janet wins the prize of £ 120. She shares it with Robin in the ratio $5:1$	
	Robin gets the smaller share.	
	How much does he get?	
	Answer £(Total 5	(2) marks)

Q5.A triangle, square and pentagon have a total area of 48 cm².

	Answer	
	Anguar	
	Anguar am²	
	Anguar am²	
	Anguer cm²	
	Angwor cm ²	
		(Total 3 mark
6. To	make 12 biscuits you need	
	100 g butter 100 g sugar	
	150 g flour 50 g cocoa	
	30 ml milk	
(a)	How much cocoa do you need to make 36 biscuits?	
	Answer g	(3
(h)	You need 100 g of butter to make 12 biscuits.	
(b)		
	You have 250 g of butter.	
	You have plenty of everything else. What is the maximum number of biscuits you can make?	

		Answer		 	 (3)
(c)	Jed makes 24	biscuits.			
	He sells $\frac{2}{3}$ of	the biscuits.			
	He eats $\frac{1}{2}$ of t	he biscuits th	nat are left.		
	How many bise	cuits does he	e eat?		
		Answer		 	 (4) (Total 9 marks)

Q7.A company sells items online and in a shop. This chart shows information about its sales.



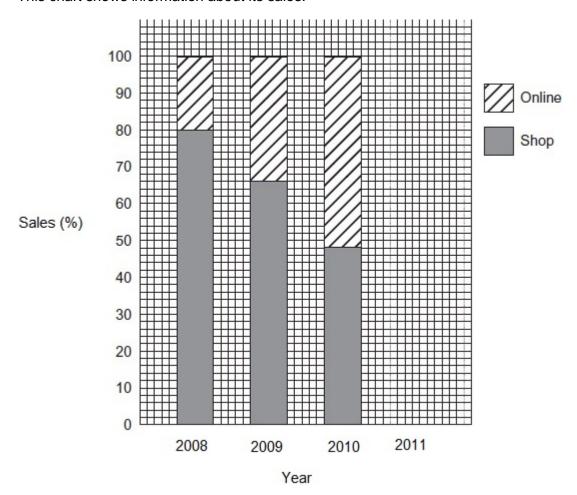
(a) The table shows the sales for 2011.

	Sales (£ thousands)
Online	152
Shop	48
Total	200

Show the information for 2011 sales on the chart.	

(b)	Work out the ratio of online sales to shop sales for 2008 . Give your answer in its simplest form.					
	Answer : (2) (Total 5 marks)					

Q8.A company sells items online and in a shop. This chart shows information about its sales.



(a) The table shows the sales for 2011.

	Sales (£ thousands)
Online	152

Q9.A

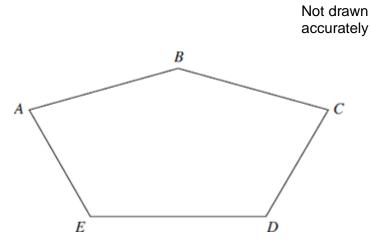
Shop	48
Total	200

Show the information for 2011 sales on the chart.					
	(3)				
Work out the ratio of online sales to shop sales for 2008 . Give your answer in its simplest form.					
Answer :	(2)				
	(2)				
In 2012 online sales : shop sales = 3 : 1					
What fraction of the 2012 sales were online?					
Answer					
(Total 6	(1) marks)				
drink is made by miving juice and lemonade in the ratio					
e costs £6.00 per litre.					
onade costs 50p per litre.					
Show that 1 litre of the fruit drink costs £1.60 to make.					
	Work out the ratio of online sales to shop sales for 2008. Give your answer in its simplest form. Answer				

		(3)
(b)	The fruit drink is sold for £2 a litre.	
	Work out the percentage profit.	
	Answer %	(2) Total 5 marks
		LOTAL 5 MARKS

Q10. This pentagon has a vertical line of symmetry.

The ratio of angles B:C:D=6:3:4



Work out the size of angle $\it B$		

		Answer		degrees	es (Total 5 marks)	
Q11.	120 adults complete 45 are men.	a survey.				
	Write the ratio	men : women	in its simplest form.			
		Answer				
					(Total 2 marks)	