	Applications Nat 4 AVU	**Non-Calculator Paper 1B**
1	In a supermarket, Lisa buys a large box of frosties for £3.65 and a multipack of irn bru for £3.50. How much change does she get if she pays with a £10 note?	
2	Calculate 3% of £1400	
3	A scale model of a car is made which is 3/10 of the size of the actual car If the real car has a height of 200 cm, what is the height of the scale model	
4	A multi-pack of crisps is sold in 6 different shops at these prices. £1.36, £1.34, £1.42, £1.45, £1.39, £1.43 Was the mean price for these crisps	
5	The recommended weight of coffee in a jar is $250g \pm 5g$ (c) Write down the maximum and minimum weights which are acceptable (d) In this list of weights, which ones will be unacceptable for this tolerance 255g, 252g, 256g, 248g, 249g, 242g, 252g, 250g, 257g	
	Applications Nat 4 AVU	**Calculator Paper 1B**
1	Ella and Rosie are going to Cyprus on holiday. They both have £400 to change to euros. Ella changes her £400 at a travel agent and she receives 480 euros. Rosie changes her £400 online with fairex.co.uk. Fairex.co.uk charge Jackie a fee of £10 and then change the rest at a rate of £1 = 1.24 euros. (a) Work out how many euros Rosie will get from Fairex (b) State which girl gets the best deal for their money, and give a reason for why you think they get the best deal?	

2	Complete this tram timetable

Station	Tram 1		Tram 2
Crown	0956		1002
Union	1011		
Telford	1018		
Ferry			1044

| 3	The pie chart below shows how the Khan family spend their annual income
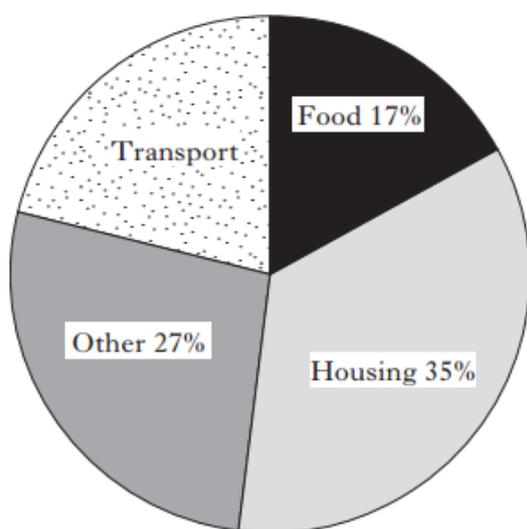
(a) What percentage of the Khan family's income is spent on transport

(b) If they spend £7000 on housing, what is their total family income?

4	Evan works at the sports centre. He is paid £7.40 per hour for a basic 140 hour month. Overtime is paid at "time and a half" and last week he worked 8 hours overtime. Use this information to complete Charlie's payslip and work out his net pay for the week.

Name: E Baker		NI Number: NH774015b	
Income		**Deductions**	
Basic	£	Income Tax	£86.73
Overtime	£	National Insurance	£ 52.62
Gross Pay	£	**Total Deductions**	£
		NET PAY	£

5	Shown here is a plan for a garden

5.2 m

3.6 m

3.6 m

2.4 m
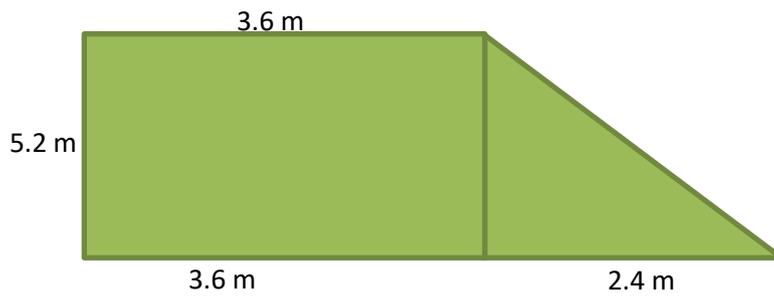
(a) Calculate the area of the garden

(b) New turf will cost £36.00 per square metre, what will it cost to turf the garden

6	A school charities group decide to have a bake sale to raise funds.

They plan to make and sell muffins, brownies and cup cakes. The first two items will sell for £0.50 and cupcakes will be priced at £0.90. They also plan to sell raffle tickets for £0.20

Their expenses are: Ingredients £24.95, raffle tickets £2.00, raffle prizes £5.00

On the day they sold 40 muffins, 60 brownies, 70 cup cakes and 150 raffle tickets. Use this information to complete the financial statement below

INCOME		EXPENDITURE	
Item	Amount (£)	Item	Amount (£)
Total Income		Total Expenditure	

How much money did they actually raise for their charity?

7 | The table below shows the marks scored in French and Italian for a group of S4 pupils

Pupil	A	B	C	D	E	F	G	H
French Mark	15	23	50	38	40	42	70	82
Italian Mark	28	31	62	54	45	55	85	95

(a) Use these marks to draw a scattergraph

Italian mark

French mark
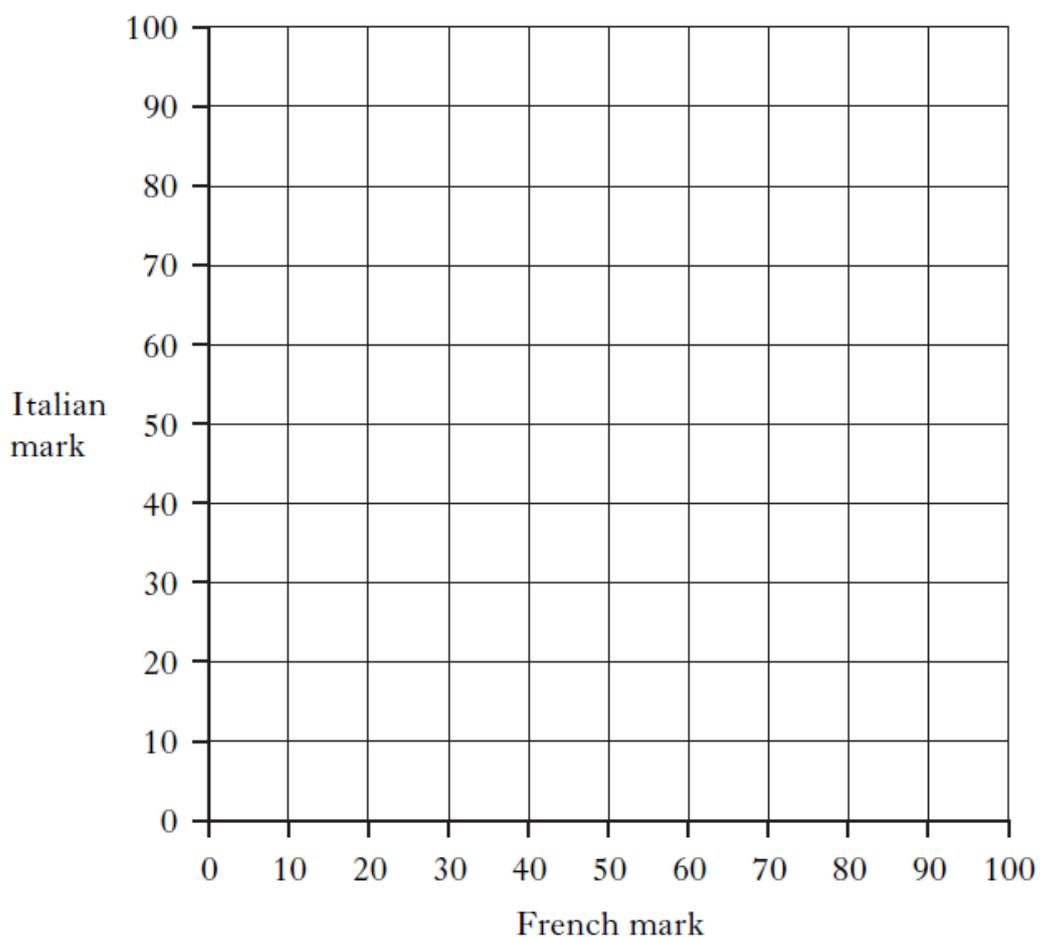
(b) Draw a line of best fit on your scattergraph

(c) Use your line of best fit to estimate a pupils Italian mark if they got 45 in their french exam.