Please check the examination de	atails below	before ente	ering your can	didate information
Candidate surname			Other name	25
Pearson Edexcel Functional Skills	Centre	e Number		Candidate Number
Practice Set 2	2			
Time: 1 hour 30 minutes		Paper R	eference F	PRACL2/C02
Mathematics Level 2 Section B (Calculator)	l			
You must have: Pen, calculator, HB pencil, erase protractor, pair of compasses.				I mm,

My signature confirms that I will not discuss the content of the test with anyone.

Signature:

Instructions

- Use **black** ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Sign the declaration.
- Answer **all** questions.
- Write your final answers in the boxes provided.
- Answer the questions in the spaces provided there may be more space than you need.
- You **must** show clearly how you get your answers in the spaces provided. Marks will be awarded for your working out.
- Check your working and answers at each stage.
- Diagrams are **not** accurately drawn, unless otherwise indicated.
- Calculators may be used.
- If your calculator does not have a π button take the value of π to be 3.14

Information

- The total mark for this section is 48.
- The total mark for this paper is 64.
- The marks for **each** question are shown in brackets.
- use this as a guide as to how much time to spend on each question.
- This sign $\sqrt{}$ shows where marks will be awarded for showing your checks.

Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.









(3)

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SECTION B

Answer ALL questions. Write your answers in the spaces provided.

1 Luke plays a computer game where he manages a city. He buys two buildings.

Luke receives

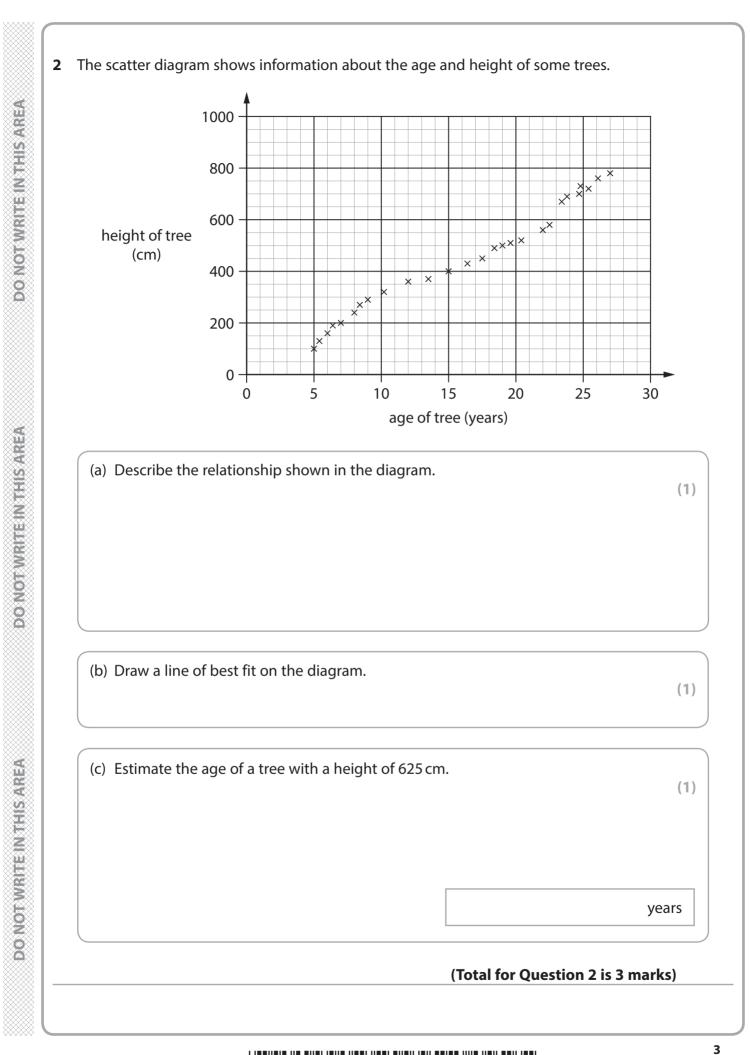
- 135 coins every 8 hours from building A
- 36 coins every 15 minutes from building B.

Luke thinks he receives a total of 4000 coins in 24 hours from these buildings.

Is Luke correct? Show why you think this.

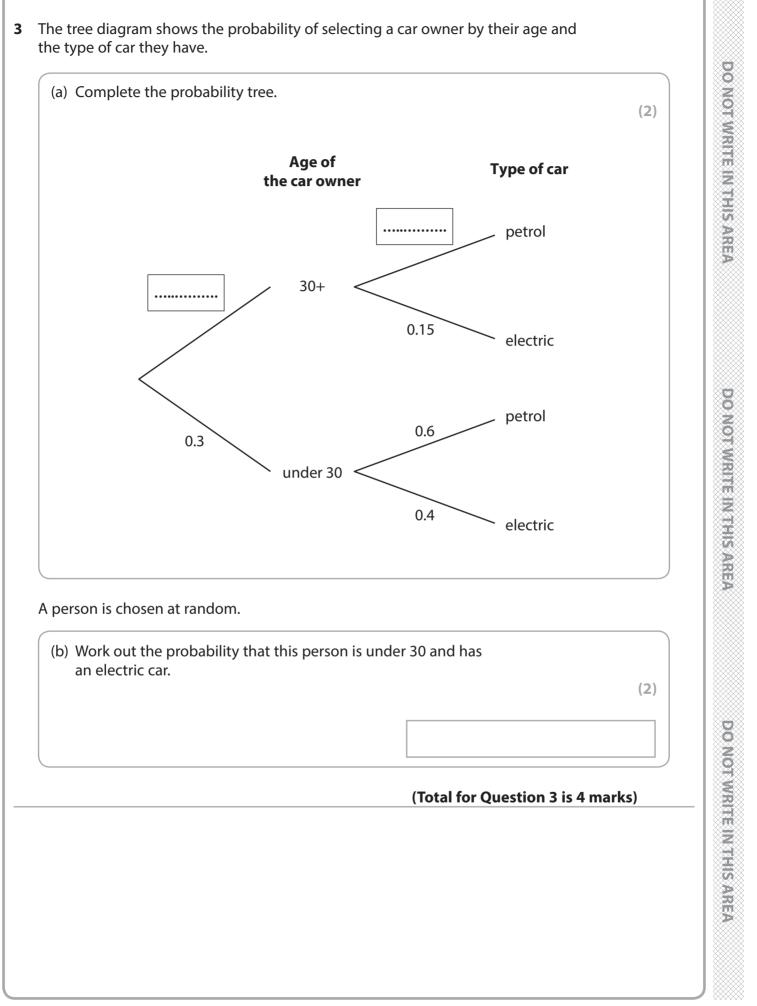
(Total for Question 1 is 3 marks)





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Sasha wants	1200 of these ward	drobes to be a	ssembled next v	veekend.	
	employees does S		t weekend?		
fou must s	how your working	•			
					employ
			(Tota	l for Questi	on 4 is 3 mar



5 Vera is a shop manager.

She has this information about the income in her shop for eight weeks this year.

Week	1	2	3	4	5	6	7	8
Income (thousands of £)	53.5	42.3	39.8	45.1	52.4	19.4	47.9	42.5

The median income for the same eight weeks last year was £49 300

Vera knows that the median income for these eight weeks has decreased this year compared to last year.

(a) Work out the percentage decrease of the median income.

Give your answer to 2 decimal places.

(4)

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A DO NO	S AREA D	(b) Show a check of your calculation for the median.	(1)
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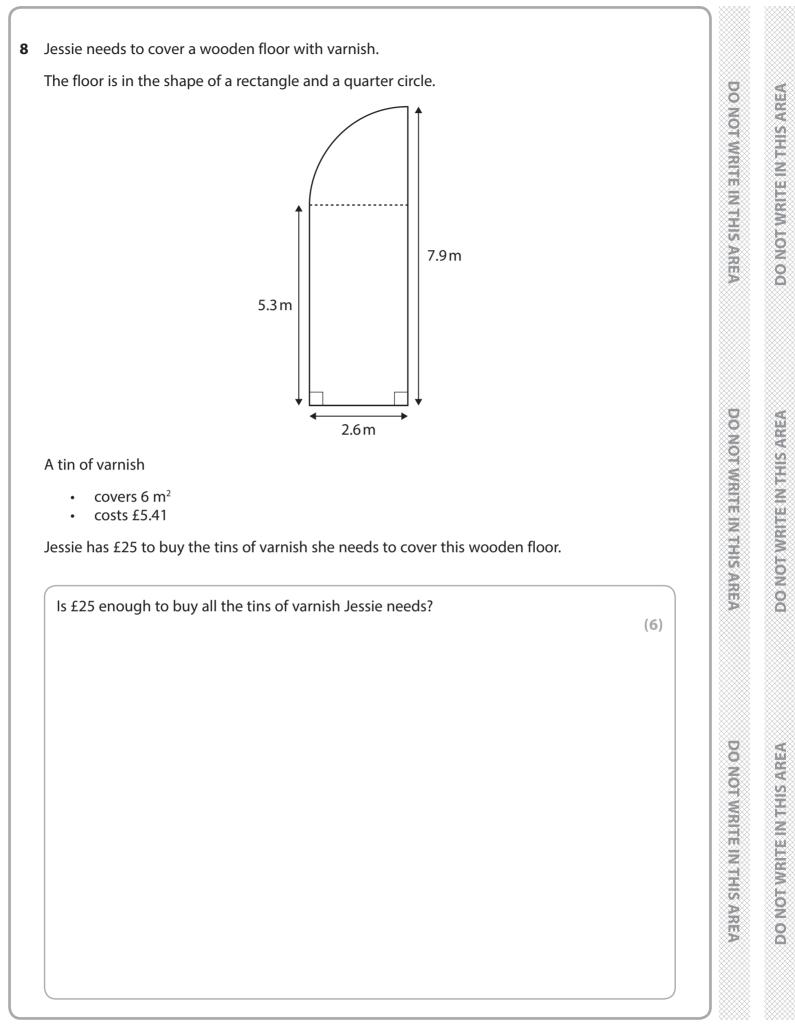


Carlos thinks the total of the money he invests and the interest £4750 at the end of the 3 years. Is he correct? Show why you think this.	(3)
	DO NOT WRITE IN THIS AREA
(Total	for Question 6 is 3 marks)

(a) V	/rite 21.9% as a decimal.	(
	/ork out 37% of 4618.57 ive your answer to 1 decimal place.	(
		(
(c) V	Vrite fifty-one million forty-nine thousand one hundred and tv	velve
ii	n figures.	(
	(Total for Qu	uestion 7 is 4 marks)

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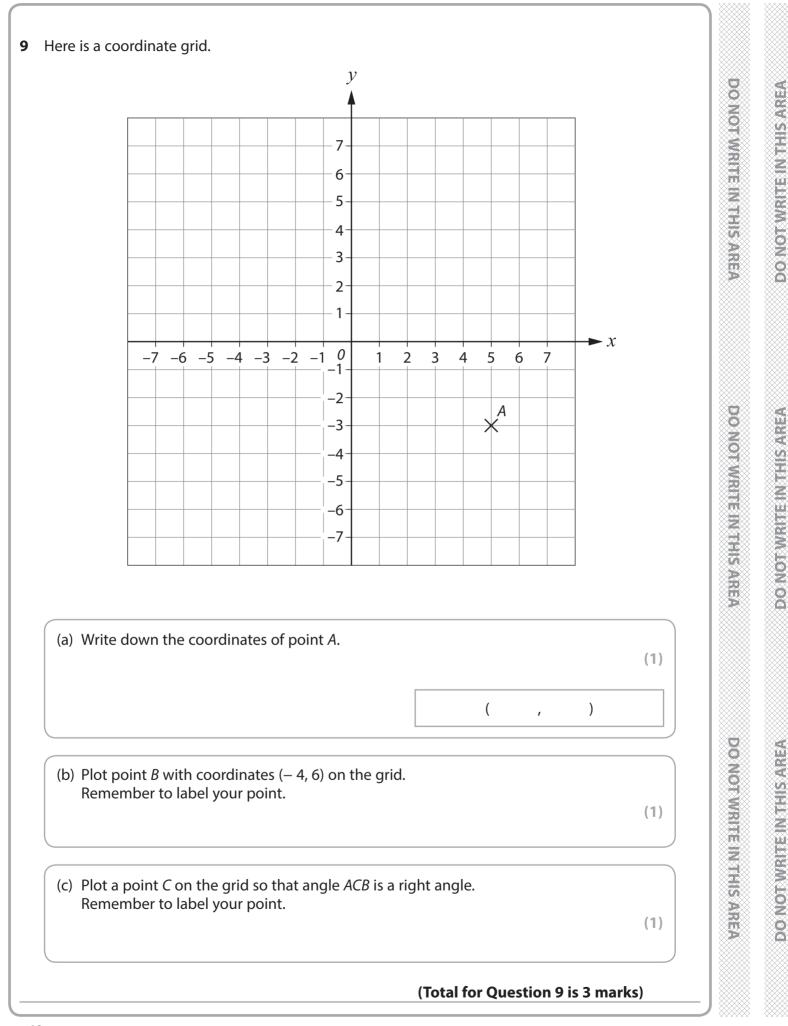


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11 Emma is the recruitment manager in a large company.

She has this information about the number of workers in each of the 20 offices of the company.

number of workers	number of offices
1 to 20	9
21 to 40	8
41 to 60	2
61 to 80	1

Emma estimates the mean number of workers in an office as 30

(a) Is Emma correct? Show why you think this.

(3)

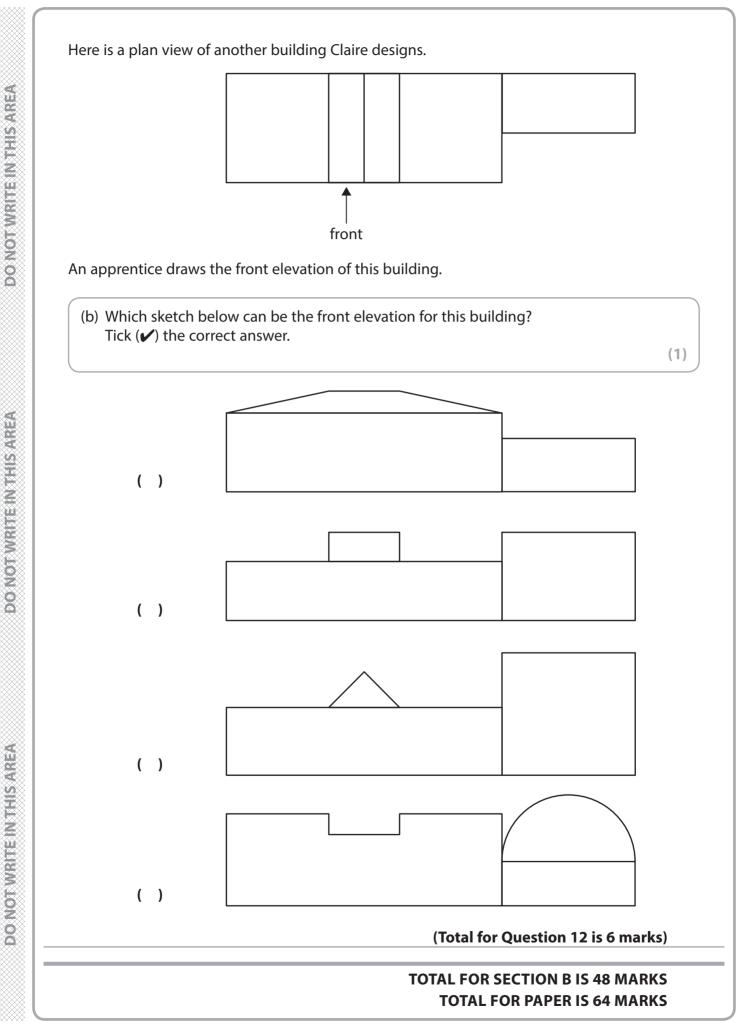
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DO N	AREA	200 people apply to work at a new office.49 of these people are employed.(b) Work out 49 as a percentage of 200	
DO NOT WRITE IN THIS AREA	DO NOT WRITE IN THIS AREA		(2)
DO NOT WRITE IN THIS AREA	DO NOT WRITE IN THIS AREA		%
		(Total for Question 11 is	s 5 marks)
DO NOT WRITE IN THIS AREA	DO NOT WRITE IN THIS AREA		
*****			15 Turn over ▶

 12 Claire is a designer. She needs to put some lights around a circular bandstand in a park. Claire has this scale diagram of the plan view of the bandstand. 4.5 cm 4.5 cm scale 1:200 	DO NOT WRITE IN THIS AREA
Claire knows that	
 a set of lights is 4.75 m in length each set of lights costs £27.99 	DON
(a) Work out the total cost for the sets of lights Claire needs. (5)	DO NOT WRITE IN THIS AREA
£	DO NOT WRITE IN THIS AREA

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