Please check the examination de	etails 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: 25 minutes		Paper R	eference F	PRACL2/N02
Mathematics Level 2 Section A (Non – Calc	ulator)		
You must have: Pen, HB pencil, eraser, ruler gra pair of compasses. Tracing pap	iduated in er may b	n cm and e used.	mm, protr	ractor,

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 not be used.
- Take the value of π to be 3.14

Information

- The total mark for this section is 16.
- 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 \checkmark 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.



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	9	SECTION A		
Answer	ALL questions. Write	e your answe	ers in the spaces provided.	
(a) Work out 700 –	- 7 ²			(2)
Here is a list of numb	pers.			
29	31 46 43 29 31	38 34	43 35 43	
(b) Write down the	e mode of these num	Ders.		(1)
			(Total for Question 1 is 3 marks)	



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2 Ola will run from her house to a local park and back to h She sees this sketch of the route she will take. $park$ $1\frac{1}{4}$ miles house	$\sum_{2\frac{3}{8}} niles$	DO NOT WRITE IN	RITE IN THIS AREA
What is the total distance of the route Ola will run? Give your answer as a mixed number. You must show your working.	(3)	THIS AREA	DO NOT WI
		DO NOT WRITE IN THIS AREA	DO NOT WRITE IN THIS AREA
	miles	DO NOT WRITE IN THIS AREA	DO NOT WRITE IN THIS AREA
	(Total for Question 2 is 3 marks)	J	

	Saima mixes jam, sugar and soft cheese in the ratio 4 : 1 : 16	
	She uses 32 oz of soft cheese.	
	Saima knows that 1 oz is 28.3 grams.	
	(a) How many grams of jam does Saima need?	(3
		a
V	(b) Use estimation to show a check of your answer.	(4
		(1)
	(Total for Question 3 is 4 m	arks)

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4 Jack is a jeweller.

He makes a pendant in the shape of a triangular prism as shown in the diagram.



Jack makes the pendant from solid gold.

He uses this formula.

$$V = TL$$

where V = volume of a triangular prism (cm³) T = area of the triangular face (cm²) L = length of the prism (cm)

Jack knows that

- mass = density × volume
- the density of gold is 19 grams per cm³
- the cost of 1 gram of gold is £40

Jack sells the pendant for £382 more than the total cost of the gold needed to make the pendant.

How much does Jack sell the pendant for?

(6)

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	(Total for Question 4 is 6 marks) TOTAL FOR SECTION A IS 16 MARKS
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Please check the examination de	etails 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)				
You must have: Pen, calculator, HB pencil, erase protractor, pair of compasses. T	er, ruler g Fracing p	raduated aper may	in cm and be used.	I mm,

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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.	
How many	employees does S	asha need nex	t weekend?		
fou must s	now your working	•			
			(Tota	l for Questi	on 4 is 3 maı



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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OT WRITE IN THIS AREA	DO NOT WRITE IN THIS	(Total for Question 5 is 5 mar	ks)
A DO NO	AREA D	(b) Show a check of your calculation for the median.	(1)
DO NOT WRITE IN THIS ARE	O NOT WRITE IN THIS AREA		%
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 \neg



£4750 at the end of the 3 years.	(3) NOT WRITE IN THIS AREA
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(Total	For Question 6 is 3 marks)

(a) \	Write 21.9% as a decimal.	(
(b) \	Nork out 37% of 4618.57	
	give your answer to T decimal place.	(
(c)	Write fifty-one million forty-nine thousand one hundred and in figures.	twelve
	(Total for	Question 7 is 4 marks)

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DO NOT WRITE IN THIS AREA	(Total for Question 8 is 6 marks	

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ſ	ls Kevin correct?	
	Show why you think this.	
		(Total for Question 10 is 2 marks)



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	
OT WRITE IN THIS AREA	DO NOT WRITE IN THIS		(2)
DO NOT WRITE IN THIS AREA	DO NOT WRITE IN THIS AREA		%
		(Total for Question 11 is	s 5 marks)
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*****			15 Turn over ▶

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.	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 	DO
(a) Work out the total cost for the sets of lights Claire needs. (5)	NOT WRITE IN THIS AREA
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