Location Entry Codes

CIE LIEGE As part of CIE's continual commitment to maintaining best practice in assessment, CIE uses different variants of some question papers for our most popular assessments with large and widespread candidature. The question papers are closely related and the relationships between them have been thoroughly established using our assessment expertise. All versions of the paper give assessment of equal standard.

The content assessed by the examination papers and the type of questions is unchanged.

This change means that for this component there are now two variant Question Papers, Mark Schemes and Principal Examiner's Reports where previously there was only one. For any individual country, it is intended that only one variant is used. This document contains both variants which will give all Centres access to even more past examination material than is usually the case.

The diagram shows the relationship between the Question Papers, Mark Schemes and Principal Examiners' Reports that are available.

Question Paper	Mark Scheme	Principal Examiner's _Report
Introduction	Introduction	Introduction
First variant Question Paper	First variant Mark Scheme	First variant Principal Examiner's Report
Second variant Question Paper	Second variant Mark Scheme	Second variant Principal Examiner's Report

Who can I contact for further information on these changes? Please direct any questions about this to CIE's Customer Services team at: international@cie.org.uk

The titles for the variant items should correspond with the table above, so that at the top of the first page of the relevant part of the document and on the header, it has the words:

First variant Question Paper / Mark Scheme / Principal Examiner's Report ٠

or

Second variant Question Paper / Mark Scheme / Principal Examiner's Report ٠

as appropriate.



READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on all the work you hand in.

Write in dark blue or black pen.

You may use a pencil for any diagrams or graphs.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Answer **all** questions.

If working is needed for any question it must be shown below that question.

Electronic calculators should be used.

If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to three significant figures. Give answers in degrees to one decimal place.

For π , use either your calculator value or 3.142.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question. The total of the marks for this paper is 56.

This document consists of ${\bf 11}$ printed pages and ${\bf 1}$ blank page.



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	≥ <	>	2 =	≤		abaCa
	Choose one of the above	e symbols to make a	a correct sta	tement in the	answer space.	SITT
				Answer	0.4 2	<mark>4</mark> [1]
2	(a) Calculate	$\frac{0.0763}{1.85 + 4.7 \times 8}.$				
				Answer(a)		[1]
	(b) Write 0.0763 in star	ndard form.				

Answer [2]

	www.xtrapapers.c	om
1	3	
4	The diagram <i>AB</i> is parallel to <i>CD</i> . Calculate the value of a	\$
	A C Sa ^o	R
	Answer a = [2]	
5	Hakim and Bashira measure their heights. Hakim's height is 157 cm and Bashira's height is 163 cm, both correct to the nearest centimetre.	
	Find the greatest possible difference between their heights.	
	Answer cm [2]	
6	(a) Write down the gradient of the line $y = 3x - 4$.	
	<i>Answer(a)</i> [1]	
	(b) Write down the equation of a line through $(0, 0)$ parallel to $y = 3x - 4$.	
	Answer(b) [1]	









s shaded. 16 The diagram shows a square tile of side 10 centimetres with 4 identical quarter circles shaded.



Calculate the area of the **unshaded** region.

 cm^2 [4] Answer







Answer(b)(i)	 [2]

Answer(b)(ii) [1]

(iii) find the range.

(ii) find the median,

Answer(b)(iii) [1]



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	www.xtrapapers.co
$\geq < > = \leq$ Choose one of the above symbols to make a correct statement in	n the answer space.
	'dge.co.
Answe	$rr = \frac{7}{9}$ 0.7 [1]
(a) Calculate $\frac{0.0584}{1.65+5.2\times7}$.	
(b) Write 0.0584 in standard form.	r(a) [1]
Answer	r(b) [1]
 How many glasses, each holding 200 cm ³ , can be filled comwater?	pletely from a full 3.5 litre bottle of

Answer	 [2]
Answer	 L2	

3 For annu For iner
For iner
24:
8
B NOT TO SCALE
Answer $a = $ [2]
167 cm, both correct to the nearest centimetre.
ir heights.
Answer cm [2]
<i>c</i> – 4.
Answer(a) [1]
), 0) parallel to $y = 3x - 4$.
Answer(b) [1]









s shaded. 16 The diagram shows a square tile of side 10 centimetres with 4 identical quarter circles shaded.



Calculate the area of the **unshaded** region.

 cm^2 [4] Answer







For these values,

(i) calculate the mean,

Answer(b)(i) [2]

(ii) find the median,

Answer(b)(ii) [1]

(iii) find the range.

Answer(b)(iii) [1]



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