

Please write clearly, i	n block capitals.
Centre number	Candidate number
Surname	
Forename(s)	
Candidate signature	

A-Level DESIGN AND TECHNOLOGY (FASHION & TEXTILES)

Paper 2 - Designing and Making Principles

Date of Exam Morning Time allowed: 1h30m

Materials

For this paper you must have:

- · normal writing and drawing instruments
- a scientific calculator

Instructions

- Use black ink or black ball-point pen. Use pencil only for drawing.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work that you do not want to be marked.

Information

- The marks for questions are shown in brackets
- The maximum mark for this paper is 80
- There are 30 marks in Section A and 50 marks in Section B

.



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Figure 1

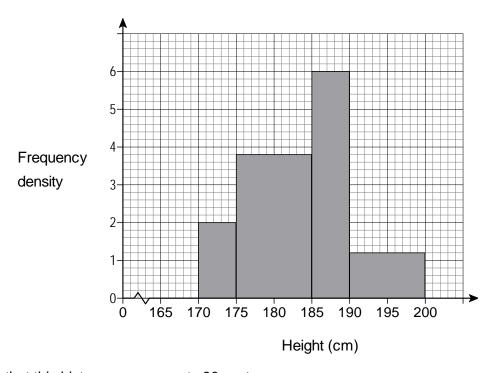
1 . 1	The trench coat in Figure 1 is a modern day version of a garment which was originally designed for soldiers in the early 20th century. The garment worn by soldiers was made from a woollen gabardine fabric.
	Evaluate the use of this fabric for the trench coat.
	[6 marks]
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1 . 2	The modern day trench coat shown in Figure 1 on page 2 is a fashion item been developed based upon the early 20th century version.	that has
	Evaluate the concept of work wear developing into fashion items. Give exa answer.	mples in your
		[8 marks]
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1 . 3	The epaulettes and storm shield are labelled in Figure 2 . They are still a featu modern day trench coat. Explain the reasons for keeping these design features.	re of the
		[6 marks]
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1 . 4	The lining of the modern day trench coat is made from a plain weave pol Evaluate why this fabric has been chosen for the lining.	yamide fabric.
		[6 marks]
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1 . 5 The histogram represents the height of potential customers for the trench coat.



	Show that this histogram represents 90 customers	[2 marks]
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1 .	. 6	The sale price of each coat is £75 except for those customers with a height greater than	
		190cm, where an extra 5% is added to cover the cost of additional material.	
		What percentage of the total sales revenue is generated by sales to potential customers with a height greater than 190cm?	
		[2 marks]	

PLEASE TURN PAGE FOR SECTION B

SECTION B – Commercial Manufacture

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s D	look at the running shoes on page 10. A computer controlled process is used to produce a single piece of fabric shaped for the main part of the shoe. Discuss the advantages and disadvantages of making the main part of the shoe in one fully ashioned piece.
	[9 marks]
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3	Explain how production management techniques can improve efficiency.	
		[10 marks]
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4 . 1	Describe the quality control checks made at different stages in the manufactoring. In your answer you should make reference to tolerance levels.	acture of
	in your answer you should make reference to tolerance levels.	
		[6 marks]
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PLEASE TURN OVER FOR NEXT QUESTION

4 . 2	Quality assurance concerns every activity from design to delivery of a garment.
	Quality control is one system within quality assurance.
	Describe other systems that could be put in place by a clothing manufacturer to ensure customer satisfaction.
	[12 marks]
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5	Explain how manufacturers can meet the requirements of rapid changes in demand for fashion products.	n consumer
		[6 marks]

6 . 1

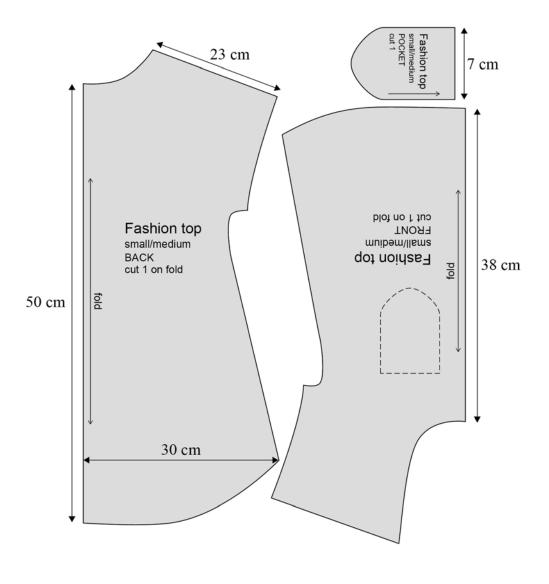
Study the fashion top pattern below. The pattern needs to be graded to make a new loose-fitting top.

The new pattern is 6cm wider than the original pattern.

Work out the ratio between the original and the new pattern.

Work out the new length of the centre back and width of the new pocket.

[4 marks]

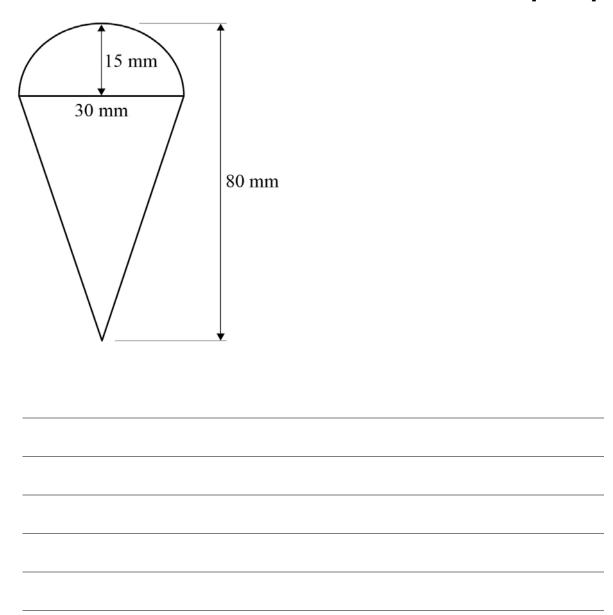


The shape of an ice cream cone is embroidered onto the fashion top pocket.

The stitch type uses 50mm of thread for every 10mm stitched.

How much thread is needed to stitch the design shown in the diagram below?

[3 marks]



END OF QUESTIONS

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