



Rewarding Learning

ADVANCED SUBSIDIARY (AS)
General Certificate of Education
2017

Centre Number

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Candidate Number

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Mathematics

Assessment Unit S1
assessing
Module S1: Statistics 1

MV18

[AMS11]

TUESDAY 30 MAY, MORNING

Time

1 hour 30 minutes, plus your additional time allowance.

Instructions to Candidates

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

You must answer **all seven** questions in the spaces provided.

Complete in black ink only.

Questions which require drawing or sketching should be completed using an H.B. pencil.

All working should be clearly shown in the spaces provided.

Marks may be awarded for partially correct solutions.

Answers without working may not gain full credit.

Answers should be given to three significant figures unless otherwise stated.

You are permitted to use a graphic or scientific calculator in this paper.

Information for Candidates

The total mark for this paper is 75

Figures in brackets printed at the end of each question indicate the marks awarded to each question or part question.

A copy of the **Mathematical Formulae and Tables booklet** is provided.

Throughout the paper the logarithmic notation used is $\ln z$ where it is noted that $\ln z \equiv \log_e z$

(ii) Find the probability that in a school week he will be late at least once. [4 marks]

(ii) Find the percentage of candidates awarded a 'merit'.
[4 marks]

(ii) Find the probability that they are sold out by the end of the day. [4 marks]

For Examiner's use only	
Question Number	Marks
1	
2	
3	
4	
5	
6	
7	

Total Marks	
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Examiner Number

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