

Cambridge International AS & A Level

MATHEMATICS**9709/55**

Paper 5 Probability & Statistics 1

May/June 2025**MARK SCHEME**

Maximum Mark: 50

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the May/June 2025 series for most Cambridge IGCSE, Cambridge International A and AS Level components, and some Cambridge O Level components.

This document consists of **20** printed pages.

PUBLISHED
Generic Marking Principles

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptions for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always **whole marks** (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

Rules must be applied consistently, e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

Mathematics-Specific Marking Principles

- 1 Unless a particular method has been specified in the question, full marks may be awarded for any correct method. However, if a calculation is required then no marks will be awarded for a scale drawing.
- 2 Unless specified in the question, non-integer answers may be given as fractions, decimals or in standard form. Ignore superfluous zeros, provided that the degree of accuracy is not affected.
- 3 Allow alternative conventions for notation if used consistently throughout the paper, e.g. commas being used as decimal points.
- 4 Unless otherwise indicated, marks once gained cannot subsequently be lost, e.g. wrong working following a correct form of answer is ignored (isw).
- 5 Where a candidate has misread a number or sign in the question and used that value consistently throughout, provided that number does not alter the difficulty or the method required, award all marks earned and deduct just 1 A or B mark for the misread.
- 6 Recovery within working is allowed, e.g. a notation error in the working where the following line of working makes the candidate's intent clear.

Annotations guidance for centres

Examiners use a system of annotations as a shorthand for communicating their marking decisions to one another. Examiners are trained during the standardisation process on how and when to use annotations. The purpose of annotations is to inform the standardisation and monitoring processes and guide the supervising examiners when they are checking the work of examiners within their team. The meaning of annotations and how they are used is specific to each component and is understood by all examiners who mark the component.

We publish annotations in our mark schemes to help centres understand the annotations they may see on copies of scripts. Note that there may not be a direct correlation between the number of annotations on a script and the mark awarded. Similarly, the use of an annotation may not be an indication of the quality of the response.

The annotations listed below were available to examiners marking this component in this series.

Annotations

Annotation	Meaning
	More information required
	Accuracy mark awarded zero
	Accuracy mark awarded one
	Independent accuracy mark awarded zero
	Independent accuracy mark awarded one
	Independent accuracy mark awarded two
	Benefit of the doubt
	Blank Page
	Incorrect
Dep	Used to indicate DM0 or DM1

Annotation	Meaning
DM1	Dependent on the previous M1 mark(s)
FT	Follow through
	Indicate working that is right or wrong
Highlighter	Highlight a key point in the working
ISW	Ignore subsequent work
J	Judgement
JU	Judgement
M0	Method mark awarded zero
M1	Method mark awarded one
M2	Method mark awarded two
MR	Misread
O	Omission or Other solution
Off-page comment	Allows comments to be entered at the bottom of the RM marking window and then displayed when the associated question item is navigated to.
On-page comment	Allows comments to be entered in speech bubbles on the candidate response.
PE	Judgment made by the PE
Pre	Premature approximation
SC	Special case
SEEN	Indicates that work/page has been seen

Annotation	Meaning
SF	Error in number of significant figures
	Correct
TE	Transcription error
XP	Correct answer from incorrect working

The following notes are intended to aid interpretation of mark schemes in general, but individual mark schemes may include marks awarded for specific reasons outside the scope of these notes.

Types of mark

M Method mark, awarded for a valid method applied to the problem. Method marks are not lost for numerical errors, algebraic slips or errors in units. However, it is not usually sufficient for a candidate just to indicate an intention of using some method or just to quote a formula; the formula or idea must be applied to the specific problem in hand, e.g. by substituting the relevant quantities into the formula. Correct application of a formula without the formula being quoted obviously earns the M mark and in some cases an M mark can be implied from a correct answer.

A Accuracy mark, awarded for a correct answer or intermediate step correctly obtained. Accuracy marks cannot be given unless the associated method mark is earned (or implied).

B Mark for a correct result or statement independent of method marks.

DM or DB When a part of a question has two or more ‘method’ steps, the M marks are generally independent unless the scheme specifically says otherwise; and similarly, when there are several B marks allocated. The notation DM or DB is used to indicate that a particular M or B mark is dependent on an earlier M or B (asterisked) mark in the scheme. When two or more steps are run together by the candidate, the earlier marks are implied and full credit is given.

FT Implies that the A or B mark indicated is allowed for work correctly following on from previously incorrect results. Otherwise, A or B marks are given for correct work only.

- A or B marks are given for correct work only (not for results obtained from incorrect working) unless follow through is allowed (see abbreviation FT above).
- For a numerical answer, allow the A or B mark if the answer is correct to 3 significant figures or would be correct to 3 significant figures if rounded (1 decimal place for angles in degrees).
- The total number of marks available for each question is shown at the bottom of the Marks column.
- Wrong or missing units in an answer should not result in loss of marks unless the guidance indicates otherwise.
- Square brackets [] around text or numbers show extra information not needed for the mark to be awarded.

Abbreviations

AEF/OE	Any Equivalent Form (of answer is equally acceptable) / Or Equivalent
AG	Answer Given on the question paper (so extra checking is needed to ensure that the detailed working leading to the result is valid)
CAO	Correct Answer Only (emphasising that no ‘follow through’ from a previous error is allowed)
CWO	Correct Working Only
ISW	Ignore Subsequent Working
SOI	Seen Or Implied
SC	Special Case (detailing the mark to be given for a specific wrong solution, or a case where some standard marking practice is to be varied in the light of a particular circumstance)
WWW	Without Wrong Working
AWRT	Answer Which Rounds To

Question	Answer	Marks	Guidance																											
1(a)	<table border="1"> <thead> <tr> <th>X</th><th>0</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th></tr> </thead> <tbody> <tr> <th>$P(X=x)$</th><td>$\frac{6}{36}$</td><td>$\frac{10}{36}$</td><td>$\frac{8}{36}$</td><td>$\frac{6}{36}$</td><td>$\frac{4}{36}$</td><td>$\frac{2}{36}$</td></tr> <tr> <th></th><td>$\frac{1}{6}$</td><td>$\frac{5}{18}$</td><td>$\frac{2}{9}$</td><td>$\frac{1}{6}$</td><td>$\frac{1}{9}$</td><td>$\frac{1}{18}$</td></tr> <tr> <th></th><td>0.167</td><td>0.278</td><td>0.222</td><td>0.167</td><td>0.111</td><td>0.056</td></tr> </tbody> </table>	X	0	1	2	3	4	5	$P(X=x)$	$\frac{6}{36}$	$\frac{10}{36}$	$\frac{8}{36}$	$\frac{6}{36}$	$\frac{4}{36}$	$\frac{2}{36}$		$\frac{1}{6}$	$\frac{5}{18}$	$\frac{2}{9}$	$\frac{1}{6}$	$\frac{1}{9}$	$\frac{1}{18}$		0.167	0.278	0.222	0.167	0.111	0.056	B1 Table with correct X values and at least one probability correct. Values need not be in order, lines may not be drawn, may be vertical, X and $P(X=x)$ may be omitted. Condone any additional X values if probability stated as 0.
X	0	1	2	3	4	5																								
$P(X=x)$	$\frac{6}{36}$	$\frac{10}{36}$	$\frac{8}{36}$	$\frac{6}{36}$	$\frac{4}{36}$	$\frac{2}{36}$																								
	$\frac{1}{6}$	$\frac{5}{18}$	$\frac{2}{9}$	$\frac{1}{6}$	$\frac{1}{9}$	$\frac{1}{18}$																								
	0.167	0.278	0.222	0.167	0.111	0.056																								
		B1 Total of four correct probabilities linked with correct outcomes, may not be in table.																												
		B1 All six probabilities are correct and linked with correct outcomes, may not be in table. If decimals are used, condone correct rounding (which will not sum to 1) or one value rounded inaccurately to sum to 1.																												
		3	SCB1 for six probs linked to X -values 0 – 5 summing to 1 with no more than 3 correct.																											
1(b)	$E(X) = \frac{[0 \times 6] + 10 \times 1 + 8 \times 2 + 6 \times 3 + 4 \times 4 + 2 \times 5}{36} = \frac{10 + 16 + 18 + 16 + 10}{36}$	M1	May be implied by use in Variance, accept unsimplified expression. FT their table if their 4 or more non-zero probabilities sum to 1 or 0.999.																											
	$\text{[Var} = \frac{10 \times 1 + 8 \times 2^2 + 6 \times 3^2 + 4 \times 4^2 + 2 \times 5^2}{36} - \left(\frac{\text{their } 35}{18}\right)^2$ $= \frac{210}{36} - \frac{1225}{324} = \frac{665}{324} = 2.05]$	M1	Appropriate variance formula using their $(E(X))^2$ value. FT their table even if their 4 or more non-zero probabilities not summing to 1 Note: If table is correct, $\frac{210}{36} - (\text{their } E(X))^2$ is M1.																											
	$E(X) = \frac{35}{18}$, 1.94, $\text{Var}(X) = \frac{665}{324}$, $2\frac{17}{324}$, 2.05	A1	OE. Answers for $E(X)$ and $\text{Var}(X)$ must be identified. Accept $\text{Var} = 2.052469\dots$ to 3sf or better.																											
		3																												

Question	Answer	Marks	Guidance
2(a)	$[P(X < 14) =] P(Z < \frac{14-20}{5})$ [= P(Z < -1.2)]	M1	14, 20 and 5 substituted into \pm Standardisation formula, no continuity correction, condone σ^2 or $\sqrt{\sigma}$.
	= 1 - 0.8849	M1	Appropriate area Φ , from final process, must be probability. (Expect final ans < 0.5). Note: the correct final answer may imply M1 from use of calculator.
	= 0.115	A1	$0.1150 \leq z \leq 0.1151$.
	[Number =] $150 \times 0.1151 = 17.265$ so 17 or 18	B1FT	FT <i>their</i> probability - final answer must be positive integer.
		4	
2(b)	$[P(X > h) = 0.25, \text{ so } P(Z < \frac{h-20}{5}) = 0.75]$ $\frac{h-20}{5} = 0.674$	B1	± 0.674 seen CAO – critical value.
		M1	20 and 5 substituted in \pm standardisation formula, no continuity correction, not σ^2 , $\sqrt{\sigma}$, equated to a z -value. Note: 0.75; 0.25; 0.5987; 0.7734, 0.326 are NOT z -values.
	$h = 23.4$	A1	AWRT. Only dependent on M mark.
		3	

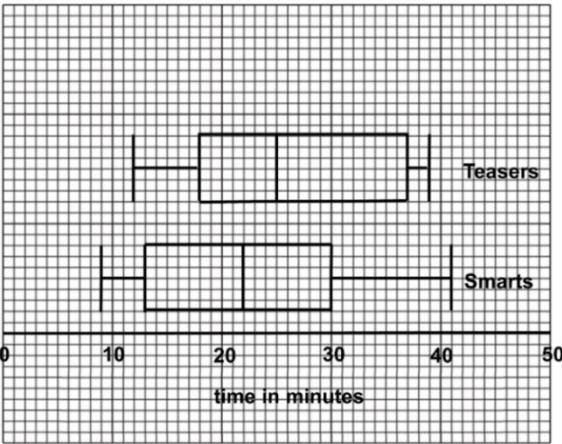
Question	Answer	Marks	Guidance
3(a)	Mean = $80 \times 0.4 = 32$ Var = $80 \times 0.4 \times 0.6 = 19.2$	B1	Correct mean and variance, allow un-simplified. ($4.381 < \sigma \leq 4.382$ or $\frac{4\sqrt{30}}{5}$ imply correct variance).
	$P(X < 27) = P\left(Z < \frac{26.5 - 32}{\sqrt{19.2}}\right) = P(Z < -1.255)$	M1	Substituting <i>their</i> mean and variance into \pm standardisation formula (any number for 26.5), not σ^2 , $\sqrt{\sigma}$.
		M1	Using continuity correction 26.5 or 27.5 in <i>their</i> standardisation formula.
	$= 1 - 0.8953$	M1	Appropriate area Φ , from final process, must be probability. (Expect final ans < 0.5). Note: the correct final answer may imply M1 from use of calculator.
	0.105	A1	$0.1045 < p \leq 0.105$.
		5	

Question	Answer	Marks	Guidance
3(b)	Method 1		
	$[P(0, 1, 2) =]^{10}C_0 0.4^0 0.6^{10} + {}^{10}C_1 0.4^1 0.6^9 + {}^{10}C_2 0.4^2 0.6^8$	M1	One term ${}^{10}C_x p^x (1-p)^{10-x}$, $0 < p < 1, x \neq 0$.
	$= 0.0060466 + 0.0403107 + 0.120932$	A1	Correct expression, accept un-simplified.
	$= 0.167 [2...]$	B1	
	Method 2		
	$[1 - P(3, 4, 5, 6, 7, 8, 9, 10) =]1 - ({}^{10}C_3 0.4^7 0.6^3 + {}^{10}C_4 0.4^6 0.6^4 + {}^{10}C_5 0.4^5 0.6^5 + {}^{10}C_6 0.4^4 0.6^6 + {}^{10}C_7 0.4^3 0.6^7 + {}^{10}C_8 0.4^2 0.6^8 + {}^{10}C_9 0.4^1 0.6^9 + {}^{10}C_{10} 0.4^0 0.6^{10})$	M1	One term ${}^{10}C_x p^x (1-p)^{10-x}$, $0 < p < 1, x \neq 0$.
		A1	Correct expression, accept un-simplified.
	$= 0.167 [2893...]$	B1	
		3	

Question	Answer	Marks	Guidance
4(a)		B1 B1	Fully correct labelled tree diagram for each trio of branches clearly labelled 'accepted', 'rejected' and 'test again' for each intersection (no additional branches). All correct probabilities on 8 required branches in correct positions. Ignore additional branches.
		2	
4(b)	$[P(A) + P(T A) + P(T T A) =] 0.3 + 0.5 \times 0.3 + 0.5 \times 0.5 \times 0.25$ $[= 0.3 + 0.15 + 0.0625]$	M1	$0.3 + k + j$, where either $k = 0.5 \times 0.3$ and $0 \leq j < 1$ or $0 \leq k < 1$ and $j = 0.5 \times 0.5 \times 0.25$.
	$0.5125, \frac{41}{80}$	A1	CAO.
		2	

Question	Answer	Marks	Guidance
4(c)	$P(2nd\ test\ taken A) = \frac{P(TA) + P(TTA)}{P(\text{accepted})} =$ $\frac{0.5 \times 0.5 \times 0.25 + 0.5 \times 0.3}{0.5125 \text{ or } (0.3 + 0.5 \times 0.3 + 0.5 \times 0.5 \times 0.25)}$	B1	$0.5 \times 0.3 + 0.5 \times 0.5 \times 0.25$ or <i>their (b)</i> – 0.3 seen as a numerator of a fraction (accept evaluated 0.2125).
		M1	Conditional probability formula used with <i>their (b)</i> or correct in denominator.
	$= \frac{0.2125}{0.5125} = \frac{\frac{17}{80}}{\frac{41}{80}} \quad 0.415, \frac{17}{41}$	A1	0.41463... to 3SF or better.
		3	
4(d)	$(1 - 0.5125)^3 \text{ or } (0.2 + 0.5 \times 0.2 + 0.5^2 \times 0.75)^3 \text{ or } 0.4875^3 \text{ or } \left(\frac{39}{80}\right)^3$	M1	$(1 - m)^3$, $m = \text{their (b)}$ or correct.
	0.116	A1	
		2	

Question	Answer				Marks	Guidance																																	
5(a)				Smarts	Teasers																																		
<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">9</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">8</td> <td style="text-align: center;">8</td> <td style="text-align: center;">3</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">5</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="text-align: center;">9</td> <td style="text-align: center;">8</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> <td style="text-align: center;">5</td> <td></td> </tr> <tr> <td style="text-align: center;">8</td> <td style="text-align: center;">0</td> <td style="text-align: center;">3</td> <td></td> <td style="text-align: center;">2</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">9</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">9</td> </tr> </table>				9	0	8	8	3	1	1	2	5	8	9	8	2	2	1	5	5		8	0	3		2	6	7	9	1	4						9	B1	Correct stem cannot be upside down, ignore extra values.
9	0																																						
8	8	3	1	1	2	5	8																																
9	8	2	2	1	5	5																																	
8	0	3		2	6	7	9																																
1	4						9																																
						B1	Correct Smarts labelled on left, leaves in order from right to left and lined up vertically (less than halfway to next column), no commas or other punctuation.																																
						B1	Correct Teasers labelled on same diagram, leaves in order and lined up vertically (less than halfway to next column), no commas or other punctuation. Condone misalignment, commas, reverse order or omission of label if error penalised already in Smarts. If the correct data for Smarts & Teasers is transposed, treat as a single error in Smarts and condone in Teasers. If 2 errors on Teasers and 1 error is repeated in Smarts, B0B0 .																																
Key 8 2 5 means 28 minutes for Smarts and 25 minutes for Teasers					B1	Correct single key for their diagram, need both teams identified and ‘minutes’ stated at least once here or in leaf headings or title. SC If 2 separate diagrams drawn, SCB1 if both keys meet these criteria (Max B1, B0, B0, B1)																																	
					4																																		

Question	Answer	Marks	Guidance
5(b)	Smarts: LQ 13 M 22 UQ 30	B1	All correct seen or plotted, even if Smarts Box Plot is not labelled.
	Box-and-whisker diagram	B1	All five key values for Teasers plotted accurately using <i>their</i> linear scale and labelled.
		B1	All five key values for Smarts, FT <i>their</i> values, plotted accurately using <i>their</i> linear scale and labelled
		B1	There must be two Box Plots. Whiskers not through either box or drawn at corners of boxes; single linear scale with at least three values stated and labelled time and minutes. SCB1 if there is no scaled and correctly labelled line but the two Box Plots are correct relative to each other, may or may not be labelled.
		4	
5(c)	Smarts are quicker	B1	Comment in context about central tendency.
	Smarts' times are more consistent	B1	Comment in context about spread.
		2	

Question	Answer	Marks	Guidance
6(a)	Method 1 $\frac{7}{12} \times \frac{5}{11} \times \frac{4}{10} \times \frac{3}{9} \times 4$	M1 $\frac{7}{12} \times \frac{5}{11} \times \frac{4}{10} \times \frac{3}{9} \times n, n \text{ a positive integer.}$	
		M1 $\frac{a}{b} \times \frac{c}{d} \times \frac{e}{f} \times \frac{g}{h} \times 4, a, b, c, d, e, f, g, h \text{ positive integers.}$	
	$\frac{14}{99}, 0.141 [4\dots]$	A1	
	Method 2 $\frac{{}^7C_1 \times {}^5C_3}{{}^{12}C_4}$	M1 ${}^7C_1 \times {}^5C_3$ given as the numerator of a fraction. M1 ${}^{12}C_4$ given as the denominator of a fraction.	
	$\frac{14}{99}, 0.141[4\dots]$	A1	
		3	
6(b)	${}^{12}C_4 \times {}^8C_4 [\times {}^4C_4]$	M1 ${}^jC_4 \times k, j = 12, 8 k \text{ a positive integer } > 1.$	
	34650	A1 SCM1 for ${}^{12}C_4 \times {}^8C_4 [\times {}^4C_4] \div 3!$ SCA1 for 5775.	
		2	

Question	Answer	Marks	Guidance
6(c)	Method 1 – summing no of ways with at least one man and one woman in each team $3M\ 1W + 3M\ 1W + 1M\ 3W$ $3M\ 1W + 2M\ 2W + 2M\ 2W$ $({}^7C_3 \times {}^5C_1) \times ({}^4C_3 \times {}^4C_1) [\times ({}^1C_1 \times {}^3C_3)] \times \frac{3!}{2!}$ $= 175 \times 16 \times 3 = 8400$ $({}^7C_3 \times {}^5C_1) \times ({}^4C_2 \times {}^4C_2) [\times ({}^2C_2 \times {}^2C_2)] \times \frac{3!}{2!}$ $= 175 \times 36 \times 3 = 18900$	M1 M1	$({}^7C_m \times {}^5C_{4-m})$ $1 \leq m \leq 3$ seen multiplied by at least one other Combination in form nC_r . No of ways for two correctly identified scenarios, or correct, added, no incorrect.
	27300	A1	SC A1 for 4550. SC B1 for 9100 if only one M1 has been awarded.
	Method 2 – subtracting ways with only men/women in a team from total $4M\ 0W + 3M\ 1W + 0M\ 4W$ $4M\ 0W + 2M\ 2W + 1M\ 3W$ ${}^7C_4 [\times {}^5C_0] \times {}^3C_3 \times {}^5C_1 \times 3!$ $= 175 \times 6 = 1050$ ${}^7C_4 [\times {}^5C_0] \times {}^3C_2 \times {}^5C_2 \times 3!$ $= 1050 \times 6 = 6300$ $34650 - (1050 + 6300)$	M1 M1	pC_r where $p = 7, 6, 5$ or 4 seen multiplied by at least 1 other Combinations in form nC_r , $r \neq 0, n \neq r$. No of ways for two correctly identified scenarios added (or correct) and subtracted from 34650 or <i>their (b)</i> .
	27300	A1	SC A1 for 4550.

Question	Answer	Marks	Guidance
6(c)	Method 3 – subtracting ways with only men/women in a team from total all male team ${}^7C_4 \times {}^8C_4 \times \frac{3!}{2!} = 7350$ all female team ${}^5C_4 \times {}^8C_4 \times \frac{3!}{2!} = 1050$ all male AND all female = ${}^7C_4 \times {}^5C_4 \times \frac{3!}{1!} = 1050$ 34650 – (7350+1050-1050)	M1	$({}^7C_4 \times {}^8C_4)$ or $({}^5C_4 \times {}^8C_4)$ seen. M1 Subtracting (all male + all female – overlap) correctly identified or correct from 34650 or <i>their (b)</i> .
	27300	A1	SCA1 for 4550.
	Method 4 – subtracting ways with only men in a team as this includes the way with only women all male team ${}^7C_4 \times {}^8C_4 \times \frac{3!}{2!} = 7350$ 34650 – 7350	M1	$({}^7C_4 \times {}^8C_4)$ seen. M1 Subtracting from 34650 or <i>their (b)</i> .
	27300	A1	SCA1 for 4550.
		3	

Question	Answer	Marks	Guidance
6(d)	Method 1		
	$G \underline{\quad} \underline{\quad} H \underline{\quad} \underline{\quad}$ $5! \times 2 \times 4$	M1	$5! \times n, n = 2, 4, 8.$
	960	A1	
	Method 2		
	${}^5P_2 \times 2! \times 4!$ or ${}^5C_2 \times 2 \times 2! \times 4!$	M1	${}^5P_2 \times n$ or ${}^5C_2 \times 2 \times n$ where $n = 2!, 4!$ or $2! \times 4!$
	960	A1	
		2	