

MARK SCHEME for the May/June 2015 series

0607 CAMBRIDGE INTERNATIONAL MATHEMATICS

0607/52

Paper 5 (Core), maximum raw mark 24

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Page 2	Mark Scheme	Syllabus	Pc no ton
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Abbrevia cao corre dep deper	ct answer only		MMM. MANNAMS PLUMAINSCIOLA.COM

Abbreviations

- dep dependent
- FT follow through after error
- isw ignore subsequent working
- oe or equivalent
- SC Special Case
- not from wrong working nfww
- soi seen or implied

1	(a)		H H H H H—C—C—C—C—H H H H H	1	
	(b)	(i)	8, 10, 12, 14	1	
		(ii)	26	1	
		(iii)	2 <i>c</i> + 2	2	B1 for 2 <i>c</i> C opportunity
		(iv)	49	1FT	FT <i>their</i> (b)(iii) providing linear formula C opportunity
2	(a)		c h o t 3 8 1 12	1	
	(b)		3 <i>c</i> + 3 oe	2	B1 for 3 <i>c</i> C opportunity
3	(a)		$\bullet \bullet \bullet \bullet \bullet$	1	Both diagrams correct
	(b)		4 3 5 4 6 5	1	
	(c)		m	1	
	(d)		96	1	

					mm mil	
Pa	nge 3				Syllabus P. Una Man	
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4	(a)		8 10 10 13 12 16	1	Syllabus P. My Marks 5 0607 52 UIASCIOUD.CC	m
	(b)	(i)	2 <i>m</i> oe	1		
		(ii)	3m-2 oe	2	B1 for 3 <i>m</i> oe C opportunity	
	(c)		148	2FT	B1 FT for <i>their</i> 50 soi FT <i>their</i> 50 in <i>their</i> formula for <i>r</i> C opportunity	
5	(a)		$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	2	B1 for row 4 or 6 correct or either column correct	
	(b)	(i)	hm oe	1		
		(ii)	(2h-1)m-h oe isw	1	oe	
	Communication seen in two of 1(b)(iii) , 1(b)(iv) , 2(b) , 4(b)(ii) , 4(c)		1			