CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International General Certificate of Secondary Education

### 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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#### Abbreviations

cao correct answer only

dep dependent

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

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

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4	(a)		8 10 10 13 12 16	1			
	(b)	(i)	2 <i>m</i> oe	1			
		(ii)	3m-2 oe	2	<b>B1</b> for 3 <i>m</i> oe <b>C</b> opportunity		
	(c)		148	2FT	<b>B1 FT</b> for <i>their</i> <b>FT</b> <i>their</i> 50 in <i>th</i> <b>C</b> opportunity		for <i>r</i>
5	(a)		$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	2	<b>B1</b> for row 4 or or either column		
	(b)	(i)	hm oe	1			
		(ii)	(2h-1)m-h oe isw	1	oe		
	mmur <b>)(ii)</b> , -		on seen in two of <b>1(b)(iii)</b> , <b>1(b)(iv)</b> , <b>2(b)</b> ,	1			