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

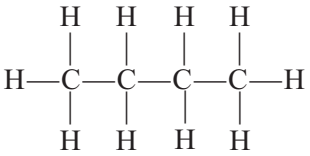
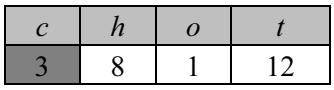
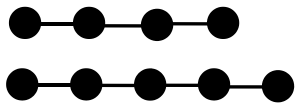
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Abbreviations
cao correct answer only
dep dependent
FT follow through after error
isw ignore subsequent working
oe or equivalent
SC Special Case
nfww not from wrong working
soi seen or implied

1	**(a)**			**1**	
	(b)	**(i)**	8, 10, 12, 14	**1**	
		(ii)	26	**1**	
		(iii)	$2c + 2$	**2**	**B1** for $2c$ **C** opportunity
		(iv)	49	**1FT**	**FT** *their* **(b)(iii)** providing linear formula **C** opportunity
2	**(a)**			**1**	
	(b)		$3c + 3$ oe	**2**	**B1** for $3c$ **C** opportunity
3	**(a)**			**1**	Both diagrams correct
	(b)		4 3 5 4 6 5	**1**	
	(c)		m	**1**	
	(d)		96	**1**	

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4	**(a)**		8 10 10 13 12 16	**1**	
	(b)	**(i)**	$2m$ oe	**1**	
		(ii)	$3m - 2$ oe	**2**	**B1** for $3m$ oe **C** opportunity
	(c)		148	**2FT**	**B1 FT** for *their* 50 soi **FT** *their* 50 in *their* formula for r **C** opportunity
5	**(a)**		h / s / r 1 / m / $m - 1$ 2 / $2m$ / $3m - 2$ 3 / $3m$ / $5m - 3$ 4 / $4m$ / $7m - 4$ 5 / $5m$ / $9m - 5$ 6 / $6m$ / $11m - 6$	**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**	

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