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CAMBRIDGE INTERNATIONAL MATHEMATICS **0607/53**

Paper 5 (Core) **May/June 2016**

MARK SCHEME

Maximum Mark: 24

Published

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Abbreviations

awrt answers which round to
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

Questions	Answer	Marks	Part Marks
1 (a)	30	**1**	
(b)	6 1 2 3 3 2	**2**	**B1** for 1 row correct
(c) (i)	7 1 7 7 1 or 11 1 11 11 1 or 13 1 13 13 1	**2**	**B1** for top number **B1** for both rows
(ii)	9 1 9 9 1 3 3	**2**	**B1** for 9 **B1** for 3 correct rows
(iii)	12 1 12 12 1 2 6 6 2 3 4 4 3	**2**	**B1** for 12 **B1** for rows Condone 1 missing row Ignore extras
2 (a) (i)	2, 3, 5, 7, 11, 13, 17, 19	**1**	**C** opportunity
(ii)	Prime	**1dep**	dep on (a)(i)
(b) (i)	[1], 4, 9, 16	**1**	**C** opportunity
(ii)	Square	**1dep**	dep on (b)(i)
3	169 or 196	**1**	**C** opportunity

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Questions	Answer	Marks	Part Marks
4	26 22	**1**	
5 (a)	6	**1**	**C** opportunity
(b)	18	**1**	
6 (a)	$4x$	**1**	
(b)	$8 + 2x$ oe	**1**	
(c)	$8 + 2x = 4x$ oe	**1**	
	$[x =]4$	**1**	**C opportunity**
7	$2x$ and $2x + 4$ oe No solutions oe	**1** **1**	
Communication in two of 2(a)(i), 2(b)(i), 3, 5(a) and 6(c)		**1**	

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