



Cambridge International Examinations

Cambridge International General Certificate of Secondary Education

CAMBRIDGE INTERNATIONAL MATHEMATICS

0607/53

Paper 5 (Core) May/June 2016

MARK SCHEME
Maximum Mark: 24



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			Physical
Page 2	Mark Scheme	Syllabus	P. Thomas and
	Cambridge IGCSE – May/June 2016	0607	53 (2)
			33 Ischound
Abbreviations			AD.
awrt	answers which round to		COM
cao	correct answer only		

Abbreviations

dep dependent

FTfollow through after error ignore subsequent working isw

or equivalent oe SCSpecial Case

not from wrong working nfww

seen or implied soi

Questions		Answer	Marks	Part Marks
1	(a)	30	1	
	(b)	$ \begin{array}{c c} 6 & 1 \\ \hline 2 & 3 \\ \hline 3 & 2 \end{array} $	2	B1 for 1 row correct
	(c) (i)	7 or 11 or 13 1 7 1 11 1 13 1 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 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

			7, 2
Page 3	Mark Scheme	Syllabus	P. Jan
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Questions	Answer 26 22	Marks	Part Marks
4		1	
5 (a)	6	1	C opportunity
(b)	18	1	
6 (a)	4 <i>x</i>	1	
(b)	8 + 2x oe	1	
(c)	8 + 2x = 4x oe $[x =]4$	1	C opportunity
7	2x and $2x + 4$ oe No solutions oe	1	
Communication in two of 2(a)(i), 2(b)(i), 3, 5(a) and 6(c)		1	