

Cambridge International Examinations Cambridge International General Certificate of Secondary Education

CAMBRIDGE INTERNATIONAL MATHEMATICS

0607/52 May/June 2016

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Paper 5 (Core) MARK SCHEME Maximum Mark: 24

Published

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Mark Scheme	Syllabus	P. Mary
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answers which round to correct answer only		WWW. Mynathsths 52 52 Cloud.com
1	Cambridge IGCSE – May/June 2016 tions answers which round to	concet answer only

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

seen or implied soi

Que	stion		Answe	r		Mark	Part Marks
1	(a)	An example				1	
		and					
		illustration of last – fir	rst + 1				
	(b)	$\frac{\text{first+last}}{2}$ oe				1	
2	(a)	Sequence		Median	Sum	5	B1 for first two rows
		3, 4, 5, 6, 7, 8, 9	7	6	42		B1 for each of the last four rows
		7, 8	2	7.5	15		C opportunity
		20, 21, 22,, 40	21	30	630		C opportunity
		5, 6, 7	3	6	18	1	
		2, 3, 4, 5, 6, 7, 8, 9	8	5.5	44		
		2, 3, 4, 5, 6, 7	6	4.5	27	1	
		5, 6, 7, 8, 9	5	7	35		
	(b)	multiply				1	
	(c)	odd [number]				1	
	(d)	ends in .5 oe				1	
3		Sequence		Median	Sum	5	1st row: B1
		4, 5, 6	3	5	15		2nd row: B1 for sequence B1 for median
		7, 8, 9, 10	4	8.5	34		
		4, 5, 6, 7, 8, 9, 10	7	7	40		3rd row: B1 for sequence B1 for median
		or 24, 25	or 2	or 24.5	49		

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Question	Answer	Mark	Part Marks
4	485 500	2	B1 500 or 971 seen
			C opportunity
5	38, 39	3	B1 for each sequence
	8, 9, 10, 11, 12, 13, 14		or B1 for 2×38.5
	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12		B1 for 7×11 or 11×7
6 (a)	1, 2, 4, 8, 16 oe	1	
	median not an integer when even number of terms oe	1	
(b)	32 or 64 or 128, etc	1	
Communicat	tion seen in one of 2(a), 3, 4, 5 or 6(b)	1	