



Published

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Page 2	Mark Scheme	Syllabus	Paper
	Cambridge IGCSE – May/June 2016	0607	52

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

Question	Answer	Mark	Part Marks																				
1 (a)	An example and illustration of last – first + 1	1																					
	(b) $\frac{\text{first+last}}{2}$ oe	1																					
2 (a)	<table border="1"> <thead> <tr> <th>Sequence</th> <th></th> <th>Median</th> <th>Sum</th> </tr> </thead> <tbody> <tr> <td>3, 4, 5, 6, 7, 8, 9</td> <td>7</td> <td>6</td> <td>42</td> </tr> <tr> <td>7, 8</td> <td>2</td> <td>7.5</td> <td>15</td> </tr> <tr> <td>20, 21, 22, ..., 40</td> <td>21</td> <td>30</td> <td>630</td> </tr> <tr> <td>5, 6, 7</td> <td>3</td> <td>6</td> <td>18</td> </tr> </tbody> </table>	Sequence		Median	Sum	3, 4, 5, 6, 7, 8, 9	7	6	42	7, 8	2	7.5	15	20, 21, 22, ..., 40	21	30	630	5, 6, 7	3	6	18	5	B1 for first two rows B1 for each of the last four rows C opportunity
	Sequence		Median	Sum																			
	3, 4, 5, 6, 7, 8, 9	7	6	42																			
	7, 8	2	7.5	15																			
	20, 21, 22, ..., 40	21	30	630																			
5, 6, 7	3	6	18																				
(b) multiply	1																						
(c) odd [number]	1																						
(d) ends in .5 oe	1																						
3	<table border="1"> <thead> <tr> <th>Sequence</th> <th></th> <th>Median</th> <th>Sum</th> </tr> </thead> <tbody> <tr> <td>4, 5, 6</td> <td>3</td> <td>5</td> <td>15</td> </tr> <tr> <td>7, 8, 9, 10</td> <td>4</td> <td>8.5</td> <td>34</td> </tr> <tr> <td>4, 5, 6, 7, 8, 9, 10 or 24, 25</td> <td>7 or 2</td> <td>7 or 24.5</td> <td>49</td> </tr> </tbody> </table>	Sequence		Median	Sum	4, 5, 6	3	5	15	7, 8, 9, 10	4	8.5	34	4, 5, 6, 7, 8, 9, 10 or 24, 25	7 or 2	7 or 24.5	49	5	1st row: B1 2nd row: B1 for sequence B1 for median 3rd row: B1 for sequence B1 for median				
	Sequence		Median	Sum																			
	4, 5, 6	3	5	15																			
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Question	Answer	Mark	Part Marks
4	485 500	2	B1 500 or 971 seen C opportunity
5	38, 39 8, 9, 10, 11, 12, 13, 14 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	3	B1 for each sequence or B1 for 2×38.5 B1 for 7×11 or 11×7
6 (a)	1, 2, 4, 8, 16 oe median not an integer when even number of terms oe	1 1	
(b)	32 or 64 or 128, etc	1	
Communication seen in one of 2(a), 3, 4, 5 or 6(b)		1	