

## CAMBRIDGE INTERNATIONAL MATHEMATICS

0607/12 October/November 2016

Paper 1 (Core) MARK SCHEME Maximum Mark: 40

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

Qu	uestion	Answer	Mark	Part marks
1	(a)	2, 3, 6	1	
	(b)	4 cao	1	
	(c)	2 or 3 or 5	1	
2		$\frac{3}{100}$	1	
3		13 20 <b>or</b> 1 20 pm	1	
4	(a)	4	1	
	( <b>b</b> )	32	1	
5	(a)	Tuesday	1	
	(b)	1000	1	
6		-10	1	
7	(a)	0.082	1	
	(b)	61 000	1	
8		-1, -6	2	<b>B1 FT</b> ( <i>their</i> –1) – 5
9		80	1	
		24	1	
10		324	1	
11		$y = 3x + c$ , $c \neq 5$	1	
12		36π	2	<b>M1</b> for $6 \times 6 \times \pi$ oe
13		No [because] 25 $m^2 = 25 \times 10000 \text{ cm}^2$ oe	1	Must say no to score;
14		9	2	<b>M1</b> 360 ÷ 40 oe

Page 3 **Mark Scheme** Syllabus Paper Cambridge IGCSE – October/November 2016 0607 12 Question Mark Answer Part marks 15 60 2 **B1** for 90° seen for angle *ACB* soi 16 (a) (i) 6 1 1 1 **(ii)** 27 3 1 **(b)** 17 (a) 1, 3, 5, 7, 9 1 3 **(b)** 5 nfww **M1** for 'fx' seen as  $(1 \times 1) + (3 \times 6) \dots$ (FT their midpoints), at least 3 seen and M1 dep for *their* total for 'fx' / 20. 1 18 (a) > (b) (i) -3 1 (ii) 5 1 19 1 Translation 0 1 -2 2 20 (a) 5 points correct B1 for 3 or 4 points correct Positive 1 **(b)**