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CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International General Certificate of Secondary Education

MARK SCHEME for the May/June 2015 series

0607 CAMBRIDGE INTERNATIONAL MATHEMATICS

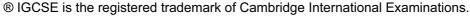
0607/13 Paper 1 (Core), maximum raw mark 40

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2015 series for most Cambridge IGCSE[®], Cambridge International A and AS Level components and some Cambridge O Level components.





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Page	e 2 Mark Scheme	Syllabus	P. May Asin
	Cambridge IGCSE – May/June 2015	0607	13
Abbrev	viations		SC/OUTO, CO.
cao den	correct answer only		com

Abbreviations

dependent dep

FT follow through after error ignore subsequent working isw

or equivalent oe Special Case SC

nfww not from wrong working

soi seen or implied

			T
1 (a)	45 000	1	
(b)	Two thousand one hundred [and] thirty six	1	
2	23	1	
3	0.25, 30%, $\frac{6}{10}$ or $\frac{3}{5}$	3	B1 for each value in correct place in table
4 (a)	9	1	Ignore signs
(b)	5	1	
5	4100 or 4.1×10^3	1	
6	Rectangle, rhombus or parallelogram	2	B2 for any two and no incorrect solutions or B1 for one correct
7	20 and 15	2	M1 for $35 \div (3+4)$
8	7	2	M1 for 40 or 4 × 10 seen
9	$\frac{3}{10}$	2	M1 for $\frac{7}{10} - \frac{4}{10}$
10	$8x^2 - 12x$	2	B1 for $8x^2$ or $-12x$
11	[x=] 3 [y=] 1	1 1	If 0 scored SC1 for correct substitution and evaluation to find the other variable If no working shown, SC1 for 2 correct answers given.
12 (a)	110 Corresponding	1 1	
(b)	90 Angle [in a] semi-circle	1 1	

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			700

13		$\frac{2}{6}$ oe	1	
14		5	2	M1 for $\frac{x}{12.5} = \frac{2}{5}$ or $\frac{12.5}{x} = \frac{5}{2}$ or 2.5 seen
15 (a))	13	1	
(b))	0	1	
16 (a))	Translation $\begin{pmatrix} 1 \\ -6 \end{pmatrix}$	1	accept equivalent in words
(b))	Enlargement [SF]3 [Centre] (0, 0) or origin	1 1 1	
17 (a))	21	1	
(b))	13	2	B1 for 28 and 15 seen
(c)		6	2	B1 for 94 or M1 for 100 – (their 94)