

## The second MARK SCHEME for the May/June 2009 question paper

## for the guidance of teachers

## **0607 CAMBRIDGE INTERNATIONAL MATHEMATICS**

0607/05

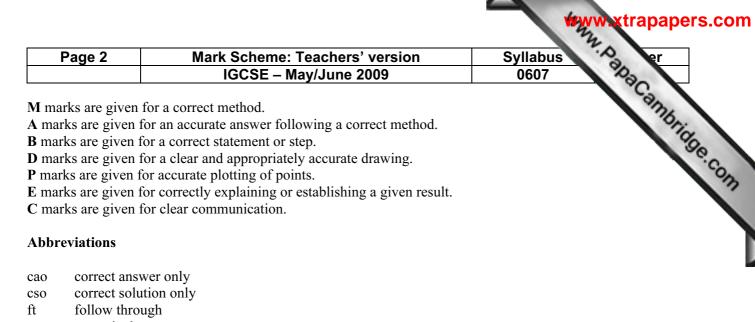
Paper 5 (Core), maximum raw mark 24

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 must be read in conjunction with the question papers and the report on the examination.

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- ww without working
- www without wrong working

Page 3	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – May/June 2009	0607	05

		Page	e 3		eme: Teacł E – May/Ju	ners' versio Ine 2009	n		per 05 ··· Anac	
Question			An	swer			Mark	Notes	Comments	36,
I	Number of discs   2   3   4   5   6   7   8	Last disc 2 2 4 2 4 6 8	Number of discs   9   10   11   12   13   14   15   16	Last disc 2 4 6 8 10 12 14 16	Number of discs   17   18   19   20	Last disc 2 4 6 8	7	B7	per 5 Comments 1 for each shaded square	[7]
2	64, 128						2	B1 for each		[2]
(a)	2						1	B1		
(b)	30						1	B1		
(c)	8						2	B2 OR M1 for 2 (68 – their 64) A1 correct evaluation		
(d)	126						1	B1		
(e)	144						2	<b>B2</b> OR <b>M1</b> for 2(200 – their 128) or 256 – 2(256–200) oe <b>A1</b> correct evaluation	ft with 2 $\times$ their 128 for 256	[7]

		Page 4	Mark Scheme: Teachers' version IGCSE – May/June 2009	Syllabus 0607	Paper 05
ŀ	(a)	23	2	B2 OR M1 recognise sequence continues in 2's	Paper 05 Paper 05
	(b)	44	2	<b>B2</b> OR <b>M1</b> for 24/2 or better	[4
5	(a)	(10) 8, 6, 4, 2, 9, 5, 1, 3 (7)	1	B1	Condone one omission or error
	(b)	corresponding terms add to 11	1	B1	Accept a diagram indicating this
	(c)	325	1	B1	[3
			1	C1 for communication b Showing strategy Comparing Checking	by: Award mark for one of: Strategy shown for Question 2 Question 3(c) Question 3(e) Question 4 Indicating comparison of corresponding terms in Question 5(b) Checking a result. [1
					[Total: 24