CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2014 series

0445 DESIGN AND TECHNOLOGY

0445/23 Paper 2 (Graphic Products), maximum raw mark 50

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 2014 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.



	Pa	ge 2	Mark So	cheme	Syllabus	Paper
			IGCSE – May	/June 2014	0445	23
				Section A		
A 1	(a)	Rectangl On centr	ine (octagon) le 90 × 45 (1) re line (1) gonal arcs from corners (1) arcs (1)			[4]
	(b)	Semi circ Ø 50 on	cle correct centre (1)			[1]
	(c)		iler al chimney to cab (1) poiler to cab (1)			[2]
	(d)	Chimney 15 wide Top leve				[2]
	(e)	Missing (Ø 30 (1) Correct p	wheel position/alignment (1)			[2] [Total: 11]
A2	Acc T (1 R (1 Spa	1)	d proportion of:			[4] [Total: 4]
A3	Len Len Doc Cer Win Cer Min	ngth to right of to left or 40 w 60 h ntral on Lh ndow 40 w 35 h ntral on RI two lines	vide (1) ligh (1)	netric)		[10]

[Total: 10]

Page 3		Mark Scheme	Syllabus	Paper
		IGCSE – May/June 2014	0445	23
		Section B		
4 (a)	Tray sho Tray widi Tray leng Tessellat Tessellat Indent de	formed tray wn in isometric (1) th 80/82 (1) gth 160/164 (1) ed shape for indent to size (2) ed shape 60° ends (2 × 1) (2) epth evident (1) hape depth 10 (1)		[
(b)	Two large Two sma Two sma One end One long Three glu	ment e sides evident (2×1) (2) e sides 80×42 (2×1) (2) Ill sides evident (2×1) (2) Ill sides 80×26 (2×1) (2) evident (1) 42×26 (2×1) (2) glue flap (on 80 side) (1) ue flaps for end (3×1) (3) er cut-out (1)		[1
				[Total: 2
i (a)	Central fa Two side Height of Support	00 (1)		ſ
(b)	Two high 3 / 4 from Two ang Angles lin	ment all same width as given (6) rectangles next to join (1) n join 80 high side (1) led sides evident (2 × 1) (2) ne 40 high to 100 (1) flap on join (correct position) (1)		[1
(c)	•	curface drawn (1)		

[5] [Total: 25]

Regular hexagon drawn 40 side (1) Supporting flaps drawn (1)

Six regular flaps shown (1) Six flaps 30 deep (1)