## 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.



Page 2	Mark Scheme	Syllabus	Paper			
	IGCSE – May/June 2014	0445	23			
Section A						
Recta On ce Half c	outline (octagon) angle 90 × 45 (1) entre line (1) diagonal arcs from corners (1) s to arcs (1)		[4]			
<b>(b)</b> Semi Ø 50	<i>circle</i> on correct centre (1)		[1]			
	<i>boiler</i> ontal chimney to cab (1) al boiler to cab (1)		[2]			
	<i>ney</i> de (1) evel with cab (octagon) (1)		[2]			
(e) Missi Ø 30 Corre			[2] [Total: 11]			
A2 lettering Accuracy T (1) R (1) Spacing ( Height (1)			[4]			
			[Total: 4]			
Length to Length to Door 4 6 Central or Window 4 3 Central or Min two lin	60 high (1) Central on LHS (1) Window 40 wide (1) 35 High (1) Central on RHS (1) Min two lines to VP1 (1) Min two lines to VP2 (1)					
			[Total: 10]			

	Page 3		Mark Scheme	Syllabus	Paper		
		•	IGCSE – May/June 2014	0445	23		
Section B							
B4	(a)	Tray sho Tray wid Tray leng Tessellat Indent de	formed tray own in isometric (1) th 80/82 (1) gth 160/164 (1) ted shape for indent to size (2) ted shape 60° ends $(2 \times 1)$ (2) epth evident (1) mape depth 10 (1)		[9]		
	(b)	Two larg Two sma Two sma One end One end One long Three glu	ment e sides evident $(2 \times 1)$ (2) e sides $80 \times 42$ (2 × 1) (2) all sides evident (2 × 1) (2) all sides $80 \times 26$ (2 × 1) (2) evident (1) $42 \times 26$ (2 × 1) (2) g glue flap (on 80 side) (1) ue flaps for end (3 × 1) (3) er cut-out (1)		[16] [Total: 25]		
B5	(a)	Central f Two side Height of Support	00 (1)		[8]		
	(b)	Two high 3 / 4 from Two ang Angles li	ment s all same width as given (6) n rectangles next to join (1) n join 80 high side (1) led sides evident $(2 \times 1)$ (2) ne 40 high to 100 (1) s flap on join (correct position) (1)		[12]		
	(c)	Regular Supporti	surface n drawn (1) hexagon drawn 40 side (1) ng flaps drawn (1) lar flaps shown (1)				
			30 deep (1)		[5]		
					[Total: 25]		
					-		