

MARK SCHEME for the October/November 2008 question paper

0445 DESIGN AND TECHNOLOGY

0445/02

Paper 2 (Graphic Products), maximum raw mark 50

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- A1 (a)** Accuracy and proportion of:
B (1)
L (1)
E (1)
S (1)
 Spacing (1)
 Height (1) [6]
- (b)** Border complete 250 × 50 [1]
- (c)** Triangle (1)
 Equilateral (1) [2]
- A2** Pentagon – 5 sides (1)
 Regular (1) [2]
- Hexagon – 6 sides (1)
 Regular (1) [2]
- Octagon (1)
 Regular (1) [2]
- A3** Tray size (2)
 Height of front (1)
 Slope on sides (2 × 1)
 Height of back (1)
 Taper on back (2 × 1)
 Lugs evident (2 × 1) [10]
- [Total: 25]**
- B4 (a)** *general*
 Two sides (2)
 Rear panel evident (1)
 Two wheels on each side (2 × 2)
- cab*
 Overall shape correct on side panel (1)
 Cab correct size on side panel (1)
- roof*
 Van roof 85 × 50 (1)
 Fold down for front 4 sections (4)
 Fold down length 77 +/-2mm (1)
 Rear panel correct size 50 × 60 (1) [16]

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- (b) (i) Windscreen size correct (1)
On correct panel (1)
- (ii) Headlamps suitable size (1)
On correct panel (1) [2]
- (iii) Front bumper correct size (1)
On front and side panels (2) [3]
- (iv) Glue tabs (min 6) (1)
Suitable size of tabs (1) [2]

[Total: 25]

- B5 (a) (i) front view**
- Length of stand (1)
 - Height of stand (1)
 - Major axis correct size (1)
 - Minor axis correct size (1)
 - Construction of ellipse (Pr 0-2) (2)
 - Curve line quality (Pr 0-2) (2)
 - Tail fin correct shape & size (1)
 - Position of pectoral fin on centreline (1)
 - Mouth in correct position (1)
 - Eye in correct position (1) [12]
- (ii) plan view**
- Width of stand (1)
 - Body of fish correct length (1)
 - Body of fish correct width (2mm) (1)
 - Pectoral fin 45 long (1)
 - Pectoral fin 18 wide from body (1)
 - Position of fish on stand (1)
 - Position of pectoral fins (Pr 0-2) (2) [8]
- (b) Matching symbol to projection (1)**
Quality of symbol drawing (1) [2]
- (c) Suitable solution drawn (Pr 0-3) [3]**

[Total: 25]