



2009 Graphic Communication

Standard Grade – Foundation

Finalised Marking Instructions

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**2009 Graphic Communication SG Foundation
Marking Instructions**

1 (a)	SITUATION	SOFTWARE USED
	Produce an orthographic drawing with dimensions	2-D CAD
	Produce a display with text and graphics	DTP
	Produce a computer generated illustration	Illustration/Paint

KI 3

(b)	SITUATION	HARDWARE USED
	Obtain a hard copy of an orthographic drawing	Inkjet Printer, Plotter
	Input text	Keyboard
	Copy a manual drawing to the computer's memory	Scanner

KI 3

TOTAL KI 6

2 (a)	COLOUR	PRIMARY	SECONDARY	TERTIARY
	YELLOW	✓		
	VIOLET		✓	
	BLUE-GREEN			✓
	BLUE	✓		
	YELLOW-ORANGE			✓
	GREEN		✓	

KI 6

- (b)** (i) Colour : Blue-Green, Green, Violet, Blue-Violet
(ii) Colour : Yellow, Yellow-Orange, Orange, Red-Orange, Red
(iii) Answer : White

KI 3

TOTAL KI 9

3	STATEMENT	ADVANTAGE	DISADVANTAGE
	The speed with which mistakes can be changed	✓	
	The need to train staff in the use of computers		✓
	The cost of updating the software packages used		✓
	The ability to create a library of commonly used parts	✓	
	The fact that the storage of drawings takes up less space	✓	
	The possible loss of data		✓
	The greater accuracy of drawings	✓	
	The speed with which new drawings are produced	✓	

TOTAL KI 8

4 (a)	Number	Line Type
	1	Outline
	2	Hidden
	3	Cutting Plane
	4	Hatching
	5	Dimension

KI 5

(b) Isometric

KI 1

(c) Oblique, 1 pt Perspective, 2 pt Perspective, Planometric

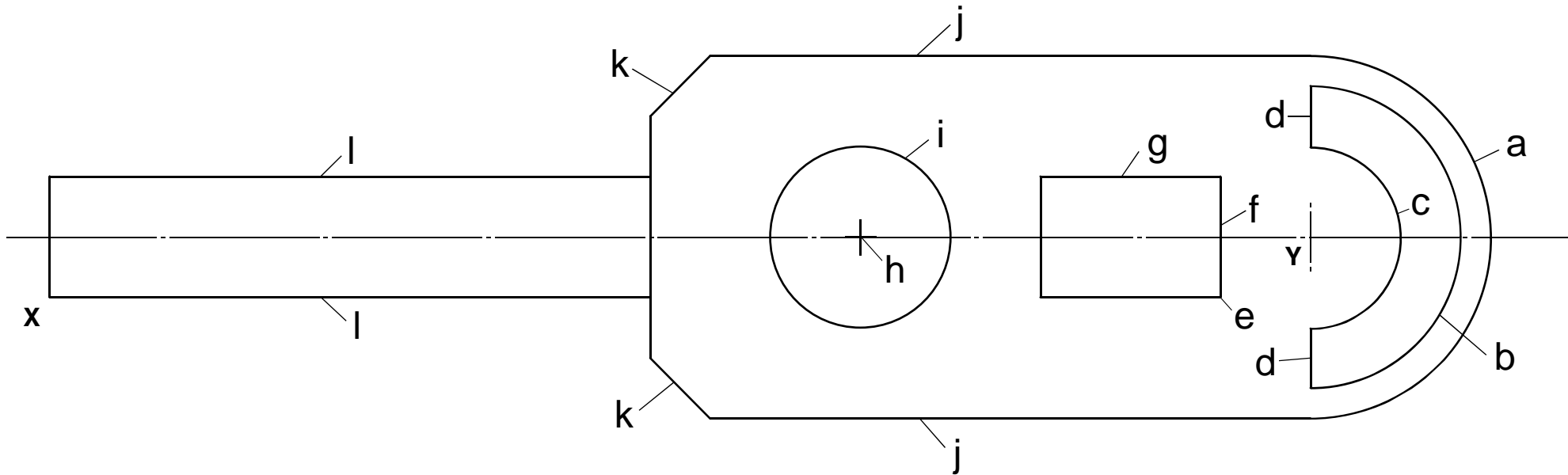
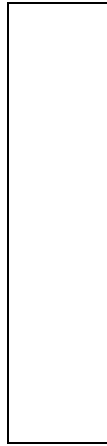
KI 1

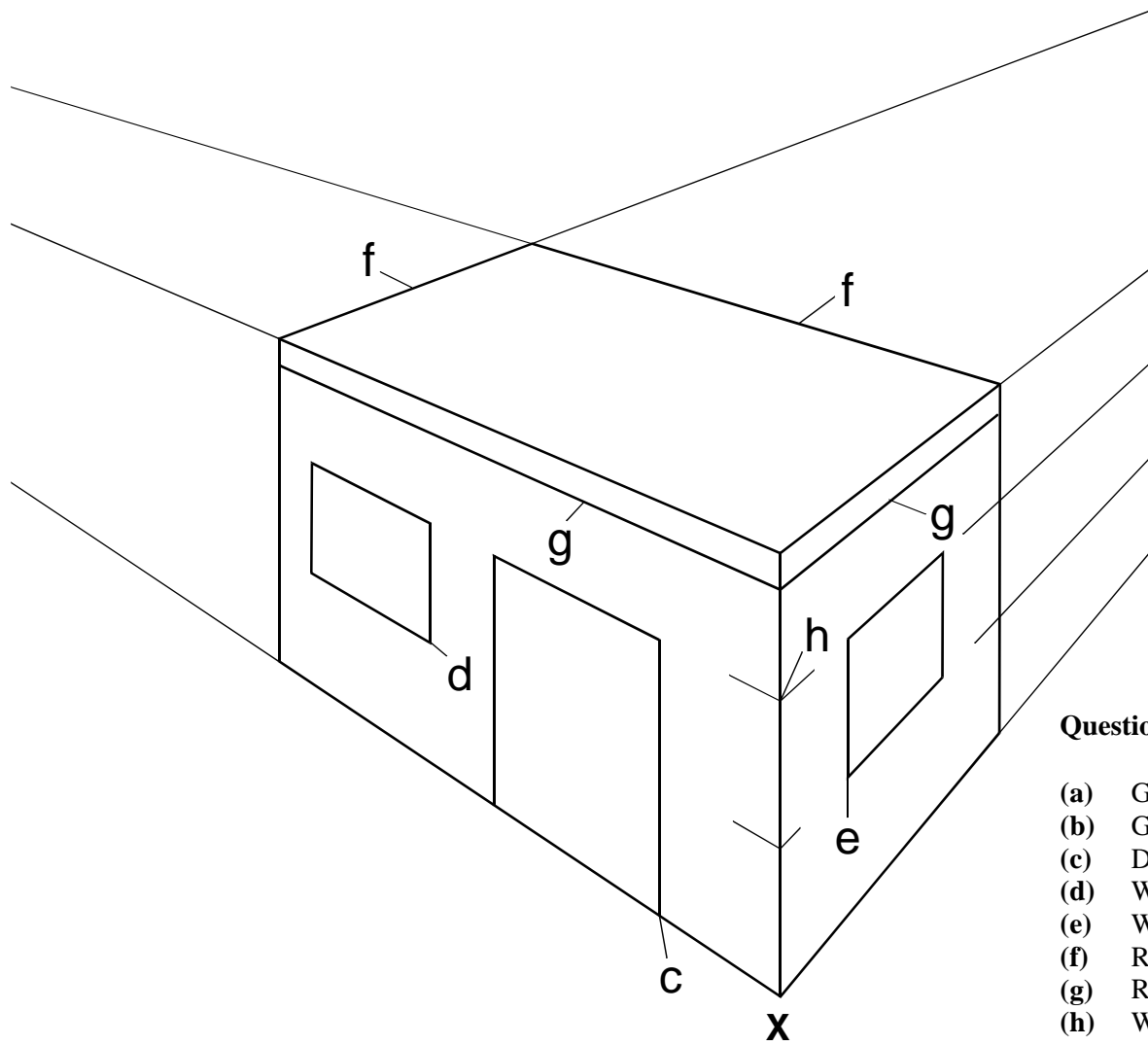
TOTAL KI 7

Question 5

- (a) Radius 30 1
- (b) Radius 25 1
- (c) Radius 15 1
- (d) Lines 1
- (e) Position of rect. 1
- (f) Height 20 1
- (g) Length 30 1
- (h) Position of centre 1
- (i) Diameter 30 1
- (j) Lines 1
- (k) Angled corners 1
- (l) Lines 100 1

Total DA 12





Question 6

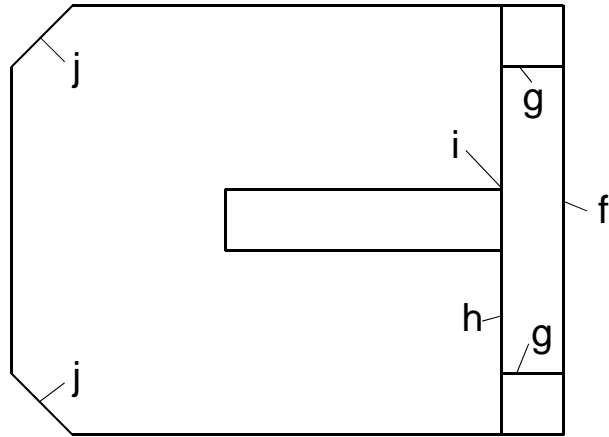
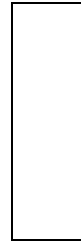
(a)	Good perspective	1
(b)	Good proportion	1
(c)	Door	1
(d)	Window	1
(e)	Window	1
(f)	Roof lines	1
(g)	Roof thickness	1
(h)	Windows in line + door top	1
	Total DA	8



Question 7

Plan

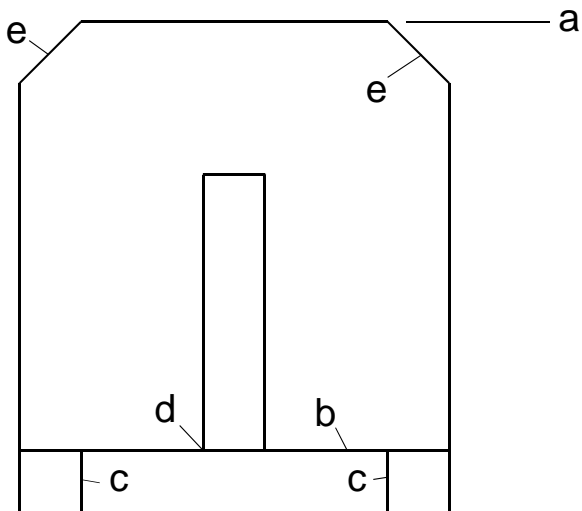
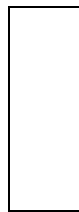
- | | | |
|-----|---------------------------|----------|
| (f) | Width 70 | 1 |
| (g) | Line (correct width) | 1 |
| (h) | Line | 1 |
| (i) | Position + width + length | 1 |
| (j) | Angled lines | 1 |
| | DA | 5 |



PLAN

End Elevation

- | | | |
|-----|---------------------------|----------|
| (a) | Correct projection | 1 |
| (b) | Line | 1 |
| (c) | Lines (correct position) | 1 |
| (d) | Position + width + height | 1 |
| (e) | Angled lines | 1 |
| | DA | 5 |



END ELEVATION

Question 8

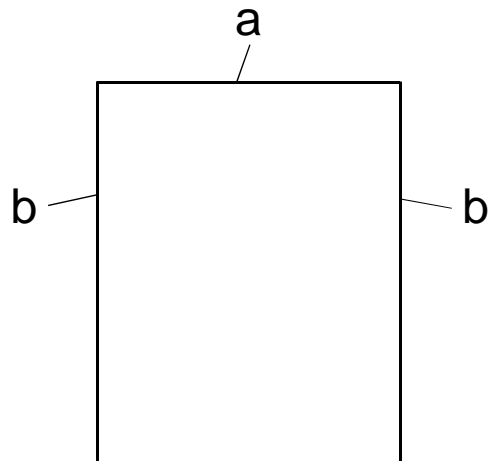
End Elevation

- (a) Width 40 1
- (b) Lines 1

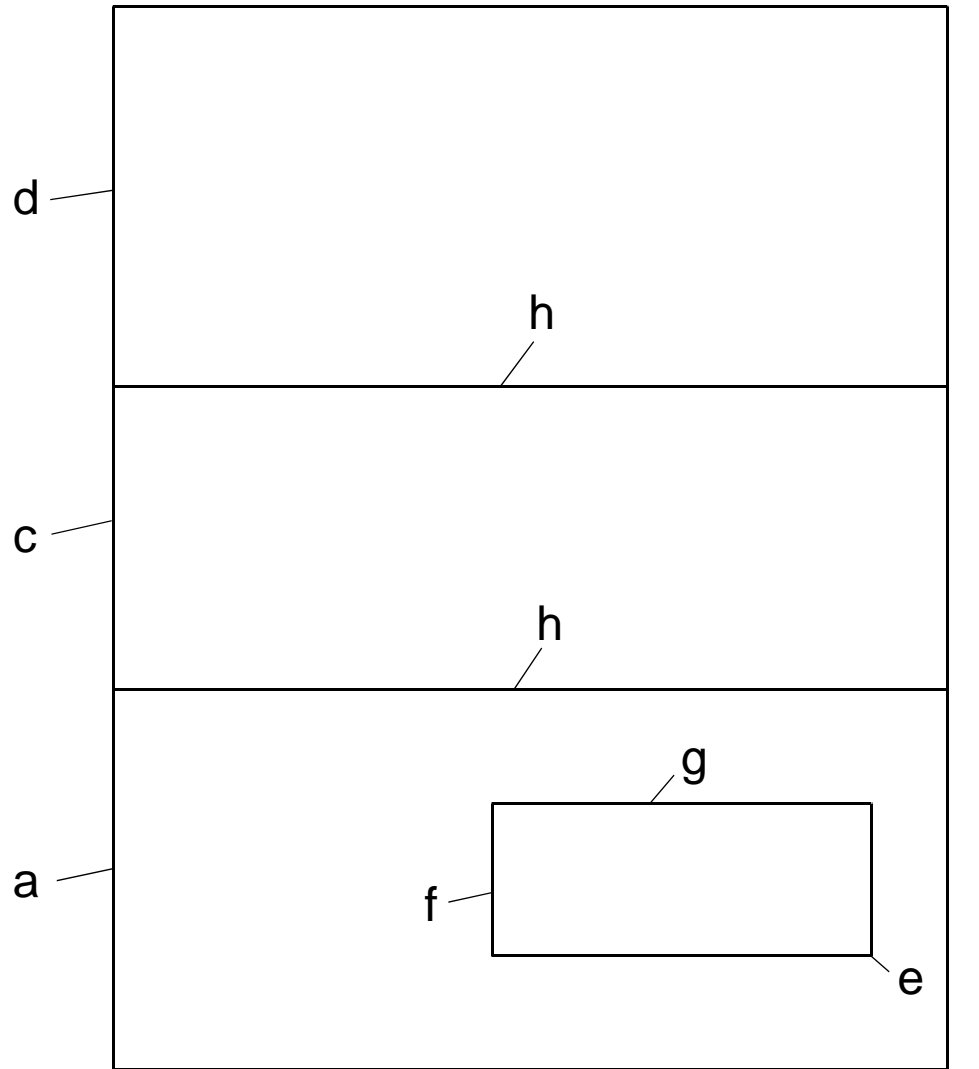
Development

- (a) Height 50 1
- (b) Length 110 1
- (c) Width 40 1
- (d) Height 50 1
- (e) Correct position 1
- (f) Height 1
- (g) Length 50 1
- (h) Lines (fold or outline) 1

Total DA 10



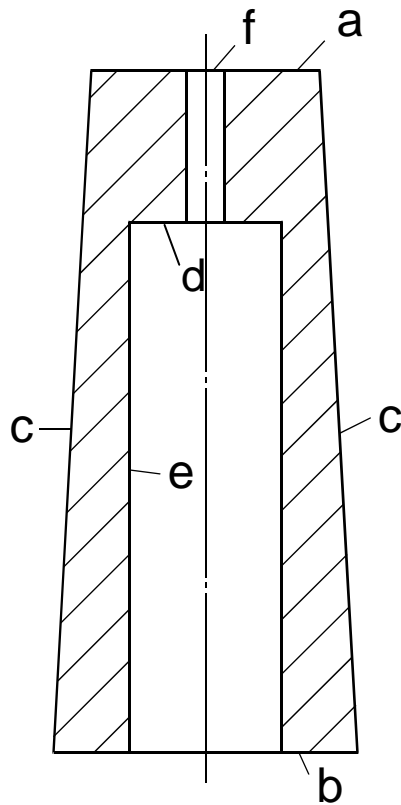
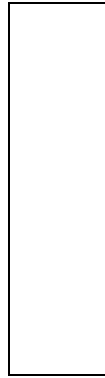
END ELEVATION



DEVELOPMENT OF SIDES

Question 9

(a)	Diameter 30	1
(b)	Diameter 40	1
(c)	Sloping lines	1
(d)	Diameter 20	1
(e)	Height 70	1
(f)	Diameter 5	1
(g)	Full lines shown	1
(h)	Correct area hatched (2 parts)	2
(i)	Hatching to BS	1
Total DA		10



SECTIONAL END
ELEVATION ON X-X

[END OF MARKING INSTRUCTIONS]