



2010 Graphic Communication

Intermediate 1

Finalised Marking Instructions

© Scottish Qualifications Authority 2010

The information in this publication may be reproduced to support SQA qualifications only on a non-commercial basis. If it is to be used for any other purposes written permission must be obtained from the External Print Team, Centre Services, Dalkeith.

Where the publication includes materials from sources other than SQA (secondary copyright), this material should only be reproduced for the purposes of examination or assessment. If it needs to be reproduced for any other purpose it is the centre's responsibility to obtain the necessary copyright clearance. SQA's External Print Team, Centre Services, at Dalkeith may be able to direct you to the secondary sources.

These Marking Instructions have been prepared by Examination Teams for use by SQA Appointed Markers when marking External Course Assessments. This publication must not be reproduced for commercial or trade purposes.

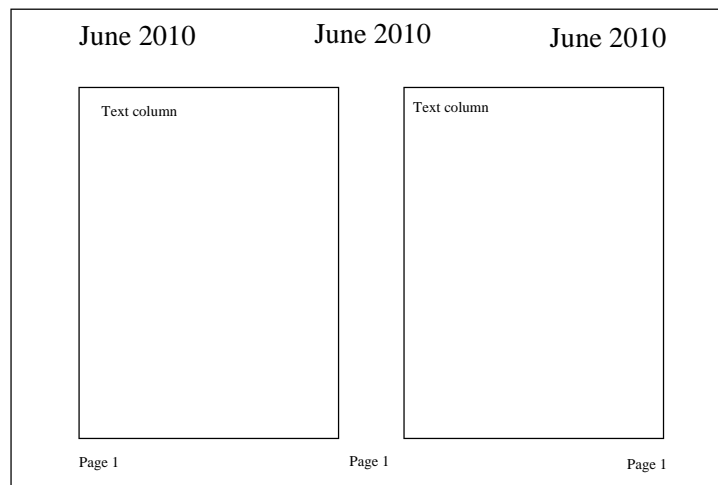
Question 1

- (a) White **1 mark**
- (b) Red-violet, red-orange **1 mark**
- (c) Mix of a primary and a secondary colour **1 mark**

Total 3 marks

Question 2

- (a) Landscape Sketch (must be approximately to size) **1 mark**
- (b) Header in any position shown below **1 mark**
- (c) Footer in any position shown below **1 mark**
- (d) Text columns as shown below, must show margins and gutter **1 mark**



Total 4 marks

Question 3

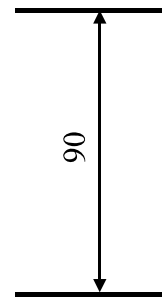
- (a) Move **1 mark**
- Rotate **1 mark**
- Fill, Hatch **1 mark**
- (b) (i) Less storage space needed for drawings
Ease of sending drawings using internet/email **1 mark**
- (ii) Use of standard parts in library, saves repetitive drawing
Ease of modification of a drawing **1 mark**
Ease of transportation using portable storage device eg USB, CD, hard drive

Total 5 marks

Question 4

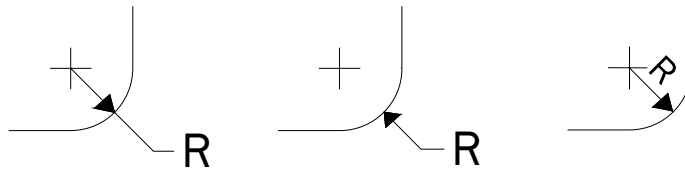
- (a) (i) Leader lines with a space
Dimension line with arrows touching the leader lines
Size printed on the left hand side on the dimension line

Must have 2 out of the 3 for 1 mark



1 mark

- (ii)



Dimension line points to/from centre
Dimension line with arrows touching the arc
Size printed horizontally or on dimension line

Must have 2 out of the 3 for 1 mark

1 mark

- (b) (i) Centre

1 mark

- (ii) Hidden detail
Accept Hidden
Accept Hidden line

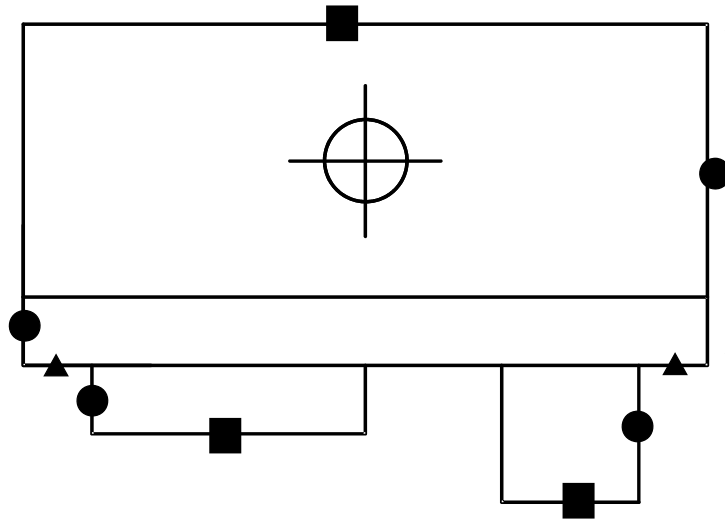
1 mark

Total 4 marks

Notes for drawing questions:

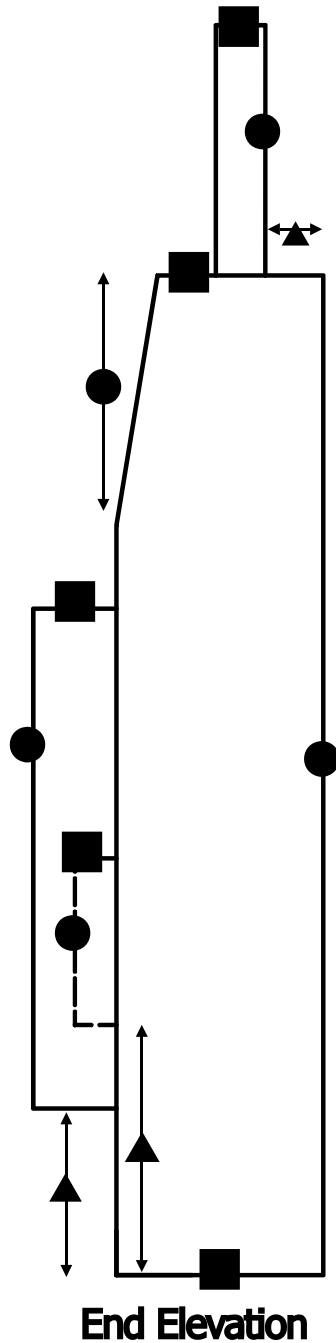
- Tolerances for all drawings $\pm 1\text{ mm}$
- When marking drawings, all markers must operate the “follow-on rule” and ensure that candidates are **not** penalised twice.
- Marks should be entered in the appropriate place and no other comments added to the candidates scripts.

Question 5



Plan

- | | | | |
|-----|----------------------------|---|----------------|
| (a) | 3 lengths marked | ■ | 1 mark |
| (b) | 4 widths marked | ● | 2 marks |
| | 4 widths | | 2 marks |
| | 2 – 3 widths | | 1 mark |
| (c) | 2 correct positions marked | ▲ | 1 mark |



End Elevation

(d) 5 widths marked  **2 marks**

5 widths 2 marks

3 – 4 widths 1 mark

(e) 5 heights marked  **1 mark**

4 – 5 heights 1 mark

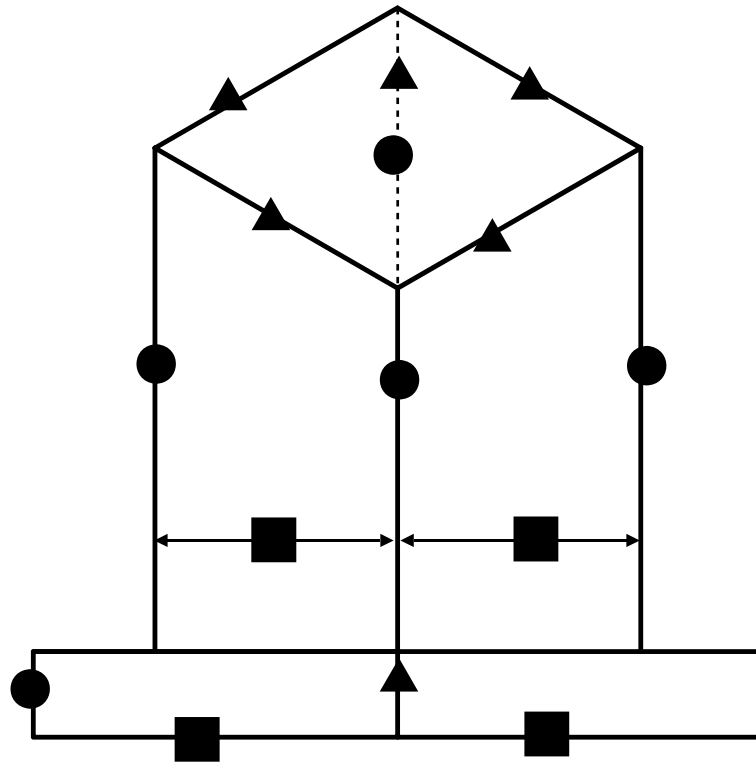
(f) 3 correct positions marked  **1 mark**

2 – 3 widths 1 mark

(g) All three hidden lines must be shown as broken lines **1 mark**

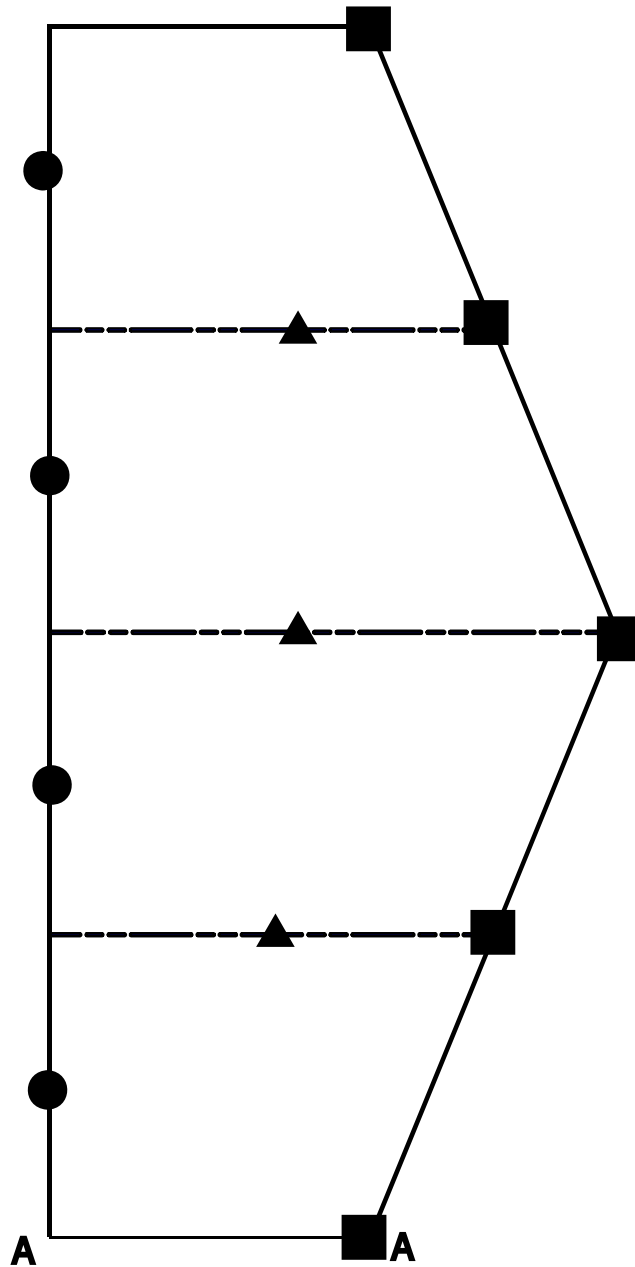
Total 9 marks

Question 6



Elevation

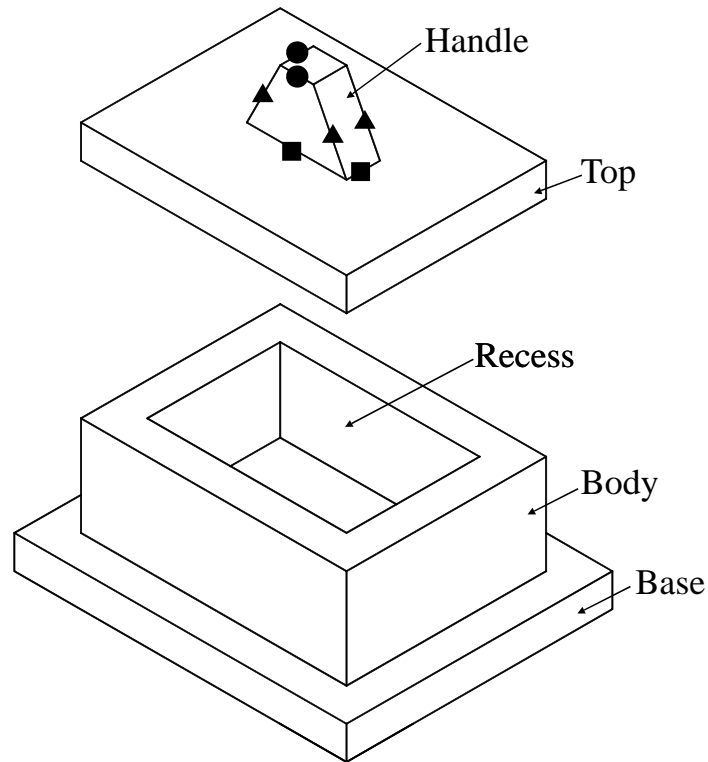
- (a) Elevation correctly projected from at least 1 view
Must have at least 4 projection lines **1 mark**
 - (b) 4 widths marked ■
If middle line on base has been omitted still mark correct **1 mark**
 - (c) 5 heights marked ● **1 mark**
 - (d) 6 lines marked ▲ **1 mark**
- 5 – 6 lines 1 mark
All lines must be correct line type
5 solid and 1 hidden



- (e) 4 base lines equally spaced marked ● **1 mark**
- (f) 5 heights marked ■ **2 marks**
 5 heights 2 marks
 3-4 heights 1 mark
- (g) 3 fold lines marked ▲ **1 mark**
- (h) Development opened along A-A + outlined **1 mark**

Total 9 marks

Question 7



(a) Base $L \times B \times H$ **2 marks**

3 2 marks
2 1 mark

(b) Body $L \times B \times H$ **2 marks**

3 2 marks
2 1 mark

(c) Recess $L \times B \times H$ **2 marks**

3 2 marks
2 1 mark

(d) Top $L \times B \times H$ **2 marks**

3 2 marks
2 1 mark

(e) 2 lines marked  **1 mark**

(f) 2 lines marked  **1 mark**
Must be correctly aligned to (e)

(g) 3 lines marked  **1 mark**

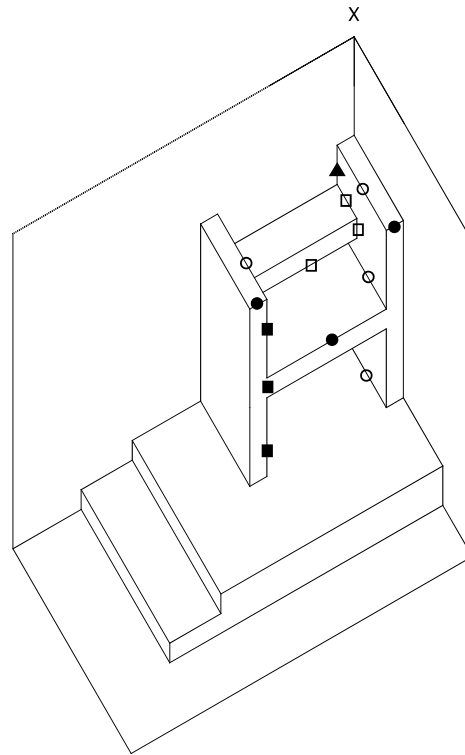
(h) Correct orientation and position of parts **2 marks**

Correct orientation of parts, position of body, recess and handle






4 correct 2 marks
3 correct 1 mark

Total 13 marks

Question 8

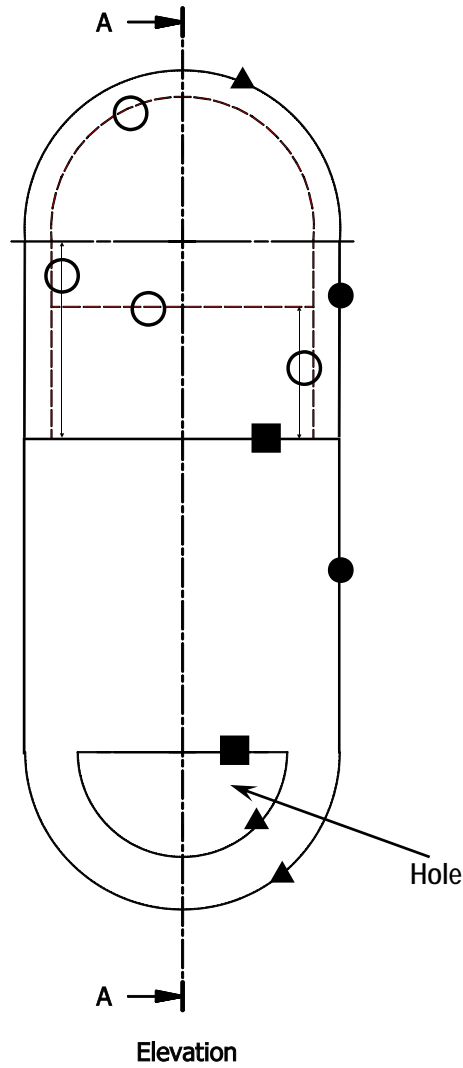


Planometric View

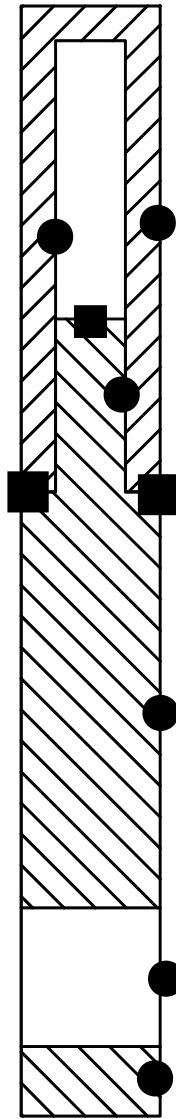
- | | | | | |
|-----|--|---|--|----------------|
| (a) | Wall and floor | $L \times B \times H$ | | 2 marks |
| | 3 | 2 marks | | |
| | 2 | 1 mark | | |
| (b) | Patio crate | $L \times B \times H$ | | 1 mark |
| (c) | Step | $B \times H$ | | 1 mark |
| (d) | BBQ crate | $L \times B \times H$ | | 1 mark |
| (e) | 3 lengths marked |  | | 1 mark |
| | 2 – 3 lengths | 1 mark | | |
| (f) | 3 heights marked |  | | 1 mark |
| | 2 – 3 heights | 1 mark | | |
| (g) | 4 adjoining lines marked |  | | 1 mark |
| (h) | Shelf $L \times B \times H$ marked |  | | 1 mark |
| (i) | Position of shelf marked |  | | 1 mark |
| (j) | Position of BBQ and step relative to X | | | 1 mark |

Total 11 marks

Question 9



- | | | | |
|-----|--|--------|-----------------------------|
| (a) | Correct sizes used | | 1 mark |
| (b) | 3 radii marked | ▲ | } must be correct line type |
| (c) | 2 heights marked | ● | |
| (d) | 2 lines marked | ■ | |
| (e) | Correctly assembled and correct position of hole | | 1 mark |
| (f) | 4 hidden lines marked | ○ | 1 mark |
| | 3 – 4 | 1 mark | |



Sectional End Elevation A-A

- | | | | |
|-----|------------------------------------|---|----------------|
| (g) | Overall B and H | | 1 mark |
| (h) | 6 lengths marked | ● | 2 marks |
| | 5 – 6 | | 2 marks |
| | 3 – 4 | | 1 mark |
| (i) | 3 breadths marked | ■ | 1 mark |
| | 2 – 3 breadths for 1 mark | | |
| (j) | 2 parts correctly hatched | | 1 mark |
| (k) | Hatching at 45° and differentiated | | 1 mark |

Total 12 marks

[END OF MARKING INSTRUCTIONS]