



Learner assessment • Plans, elevations and measures

GCSE Mathematics 1MA1 • L037 • 60 minutes

Total: 20 marks. Suggested time: 18 minutes. Questions are labelled NC/C.

1. Define a plan view. **[NC] [2 marks]**

2. A solid has an L-shaped plan occupying three squares. Explain why this alone may not determine its height. **[NC] [2 marks]**

3. Sketch one solid whose front elevation has column heights 2,1,2. **[NC] [4 marks]**

4. A 1:50 floor plan measures 8 cm by 5 cm. Find the real area in m^2 . **[C] [4 marks]**

5. Explain why two different solids can share the same front elevation. **[NC] [3 marks]**

6. Describe a systematic method for checking whether plan, front and side views are consistent with one solid. **[NC] [5 marks]**
