

## Part 1

The following photographs show some everyday objects. Some photographs have been taken from above and some from the front or side. Identify each object.

**Object A** 



**Object B** 



#### **Object** C



**Object D** 

**Object H** 



**Object E** 



**Object F** 









**Object J** 



**Object K** 





**Object L** 





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# Part 2

The diagrams below represent three-dimensional objects.

The plan shows a view of the object from above and the elevations show views from the front and side. In each case draw a three-dimensional sketch of the object.



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## Part 3

Sketch the plan, front elevation and side elevation of each of these objects, using the directions given.





### **Teacher Notes**

Unit Foundation Level, Working in 2 and 3 dimensions

### Skills used in this activity:

- identifying objects from plans and elevations (using photographs and sketches)
- drawing three dimensional sketches
- drawing plans and elevations of objects.

### Preparation

Students will need to know how to draw 3D sketches of objects.

#### Notes

This activity can be used at the beginning of the course to introduce the idea of representing objects using plans and elevations. Students could attempt Part 1 immediately, but some discussion of the use of plans and elevations to represent objects may be required before they attempt Part 2. Part 3 can be done immediately after Part 2 or left until a later date if you wish.

Note that only rough sketches are requested in this activity rather than accurate scale drawings and the answers given below are not exact. Although the plans and elevations given in Part 2 and the answers are presented as third angle orthogonal projections, it is not intended that this should be done formally.

### Answers

### Part 1





Side

Side

Object D

Object F

Plan

-

Front



Object E Plan Front





Front







Object H

Object I













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