

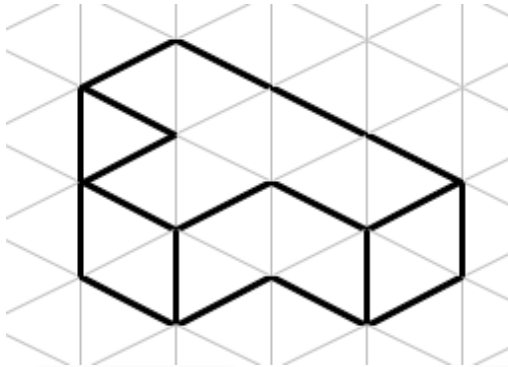
## Plans and Elevations

### Starter

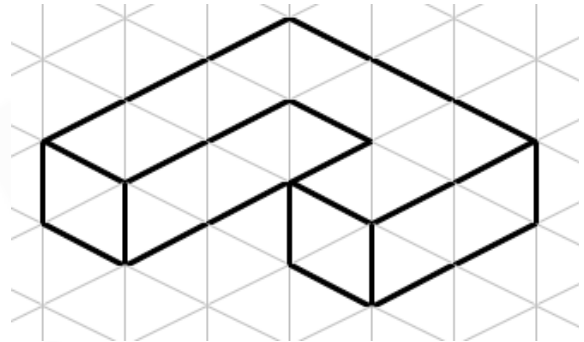
*Work in pairs.*

1. Use the multilink cubes on your desk to build these 3-D solids.

(a)



(b)



2. How many 2-dimensional diagrams do we need to define them? Draw all the diagrams that you think you need.

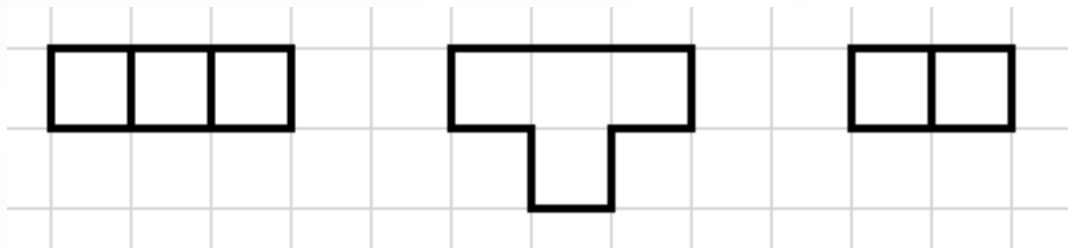
**Working:** 3 diagrams are needed

(a)

**Front elevation**

**Plan view**

**Side elevation (right)**

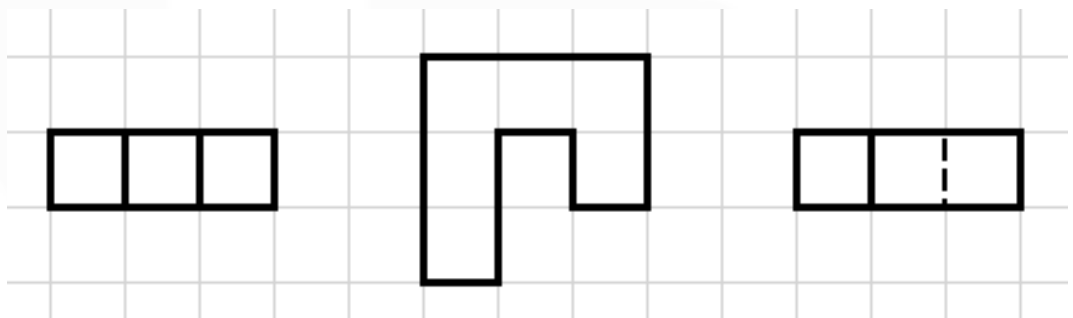


(b)

**Front elevation**

**Plan view**

**Side elevation (right)**



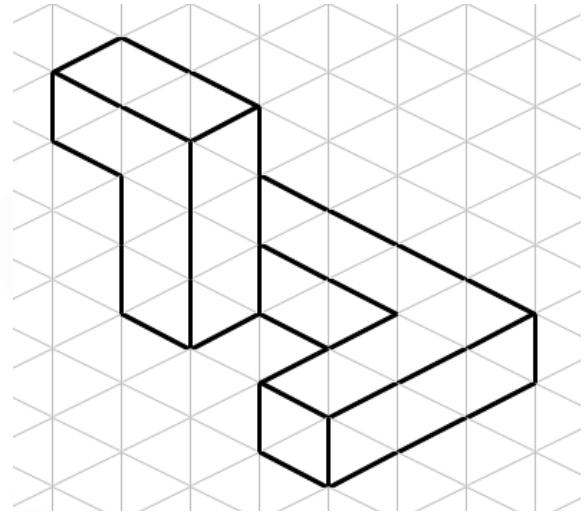
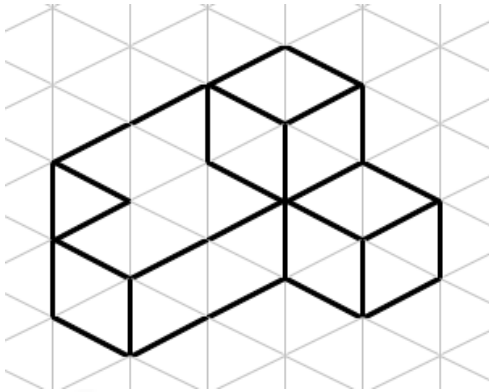
**N.B.** *Dotted lines* are again used to indicate *hidden edges*.

**E.g. 1** Draw the three plans and elevations needed to define these 3-D solids.

**Hint:** Use your multilink cubes to build the solid before attempting to draw the diagrams.

(a)

(b)



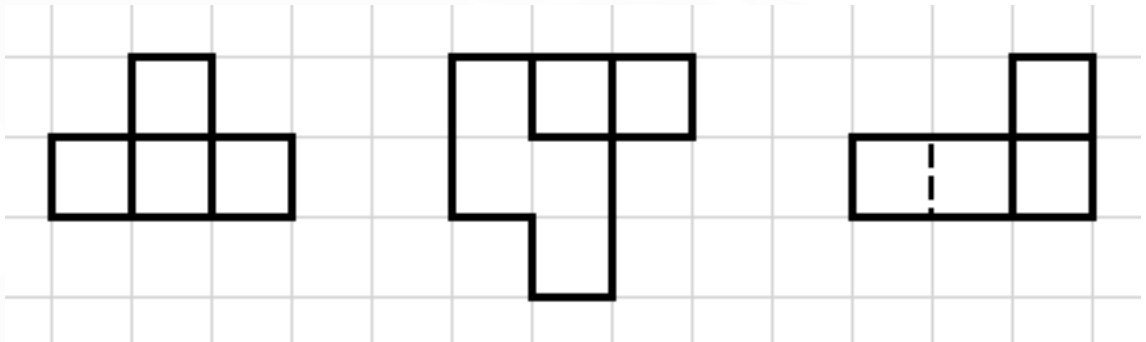
**Working:**

(a)

Front elevation

Plan view

Side elevation (right)

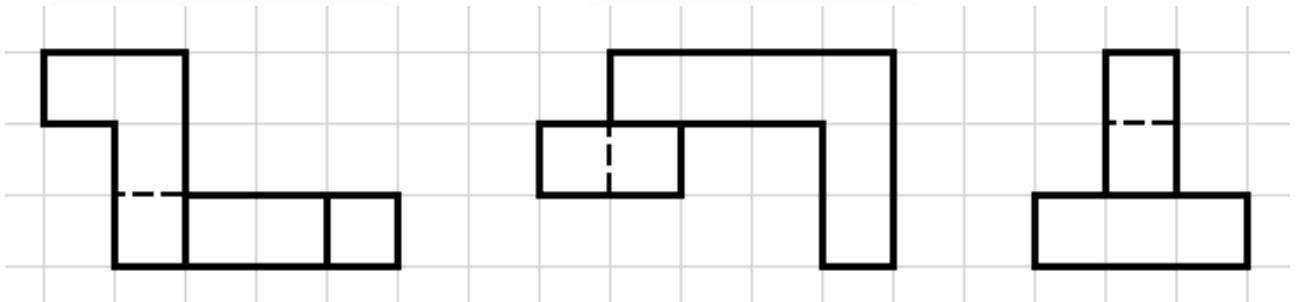


(b)

Front elevation

Plan view

Side elevation (right)



Video:

[Plans and elevations](#)

[Solutions to Starter and E.g.s](#)

**Exercise**

p103 Ex 6.3 Qu 1-10

[Textbook answers \(only available during a lockdown\)](#)