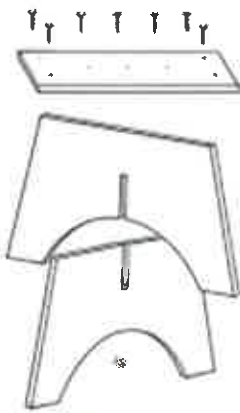


NOTES: Exploded View Diagrams

Date: Nov. 20

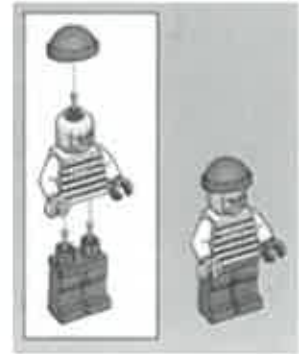


An **exploded view diagram** is a drawing that shows the components of an object with the parts slightly separated but in their relative positions. It is often used to show the sequence of steps for assembling an object so the viewer can see where all the parts go and how they fit together. Exploded view diagrams usually are shown as a set of isometric drawings without the grid lines or dots. In these diagrams parts of an object that are normally hidden in a drawing are

visible. Exploded diagrams are not usually drawn to scale but are approximate. Dotted lines can be used to show where the pieces connect to one another.

Exploded views are not limited to technical drawings. They can be seen in artwork. As well, some high-end manufacturers use exploded views to show the internal components of their items.

When creating exploded view diagrams, it is often useful to list the steps for assembling the object before creating the exploded view.



Example

To assemble a new dining room table:

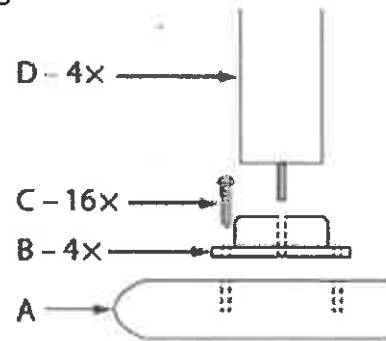
Step A: Place the tabletop face down on the floor.

Step B: Line up the holes in the plate with the predrilled holes in the underside of the tabletop.

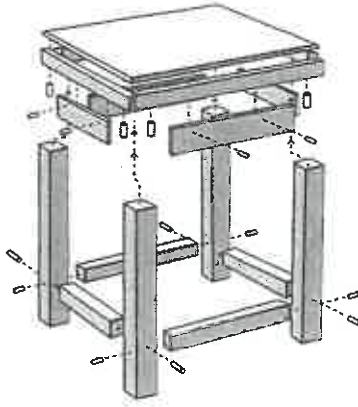
Step C: Insert four screws to attach the plate to the underside of the tabletop.

Step D: Screw the leg of the table into the threaded hole in the plate.

Step E: Repeat steps B, C, and D for the other three legs.

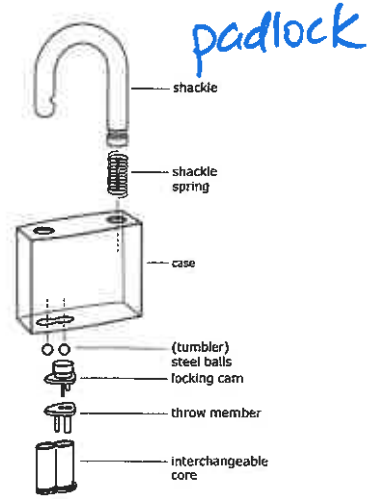


Examples

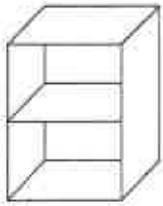


Given the exploded views, what 3D objects are represented?

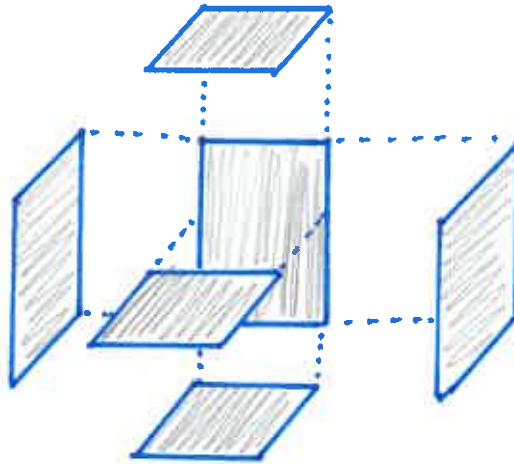
*night stand
or
coffee
table*



Sketch an exploded diagram of the shelving unit.



** assume
there is
a back*



Sketch an exploded view of this flower planter.

