

5.1 Views of solids

- Spatial sense helps us create, analyze, mentally visualize, classify and transform solids.
- Drawing 3D solids could be challenging but a lot of fun.

- Google: [3D street arts.](#)



Dimensions of Space

Dimension	Looks Like	Description	Units
0 th		A single point	No unit
1 st		A line - length	Unit ¹
2 nd		A flat surface - area	Units ²
3 rd		A space - volume	Units ³

Views of a Cube (p.150 Activity 2)

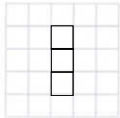
Using cubes, the object on the right is constructed.

Depending on from where you are looking, you can see different views of the object.
The front view of this object is:

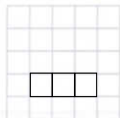


What would the view of this object be

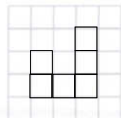
a) from the right?



b) from the top?



c) from the back?

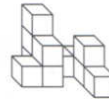


3

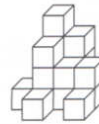
Views of a Cube (p.151 # 1)

1. Draw the requested views for each of the following solids.

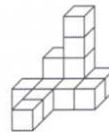
a) Front Right Top



b)



c)

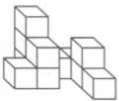


4

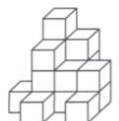
Coded blueprint of a solid:

- (only for the top/bottom view)
- It indicates in each square of the base of the solid, the number of cubes stacked up vertically over it .

a)



b)



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Practice:
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