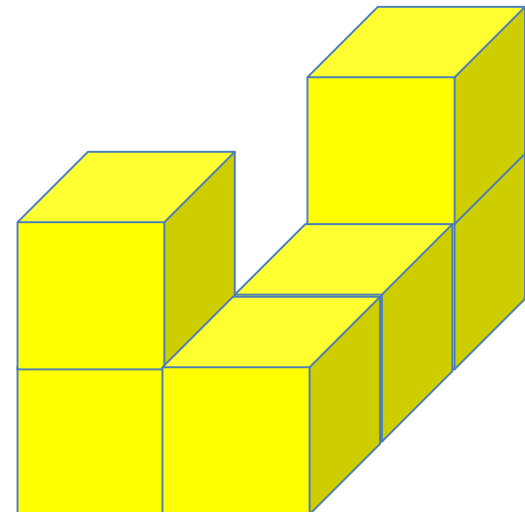


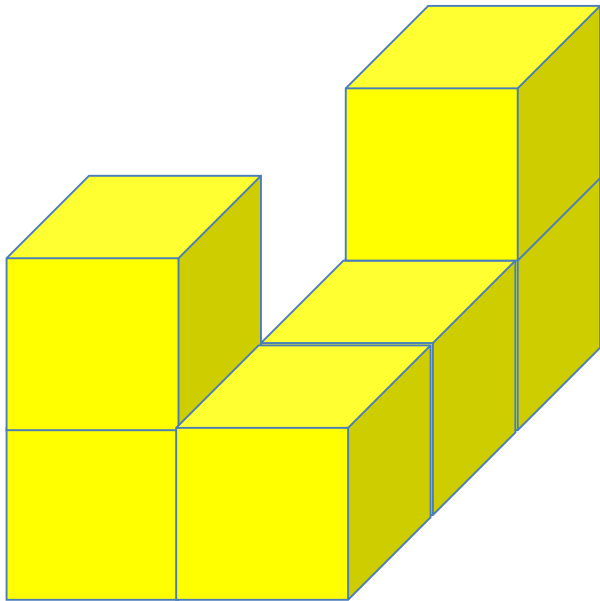
Do Now

Please place your homework in front of you and work quietly on this Do Now. Thank you!

A cube has 6 faces: top, bottom, and all 4 sides. The object shown below is made of six congruent cubes. Not all faces are visible. All outer faces of the object including the bottom are painted yellow. How many faces of the object are painted yellow?

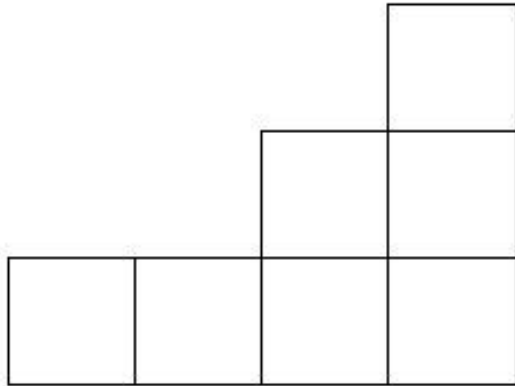


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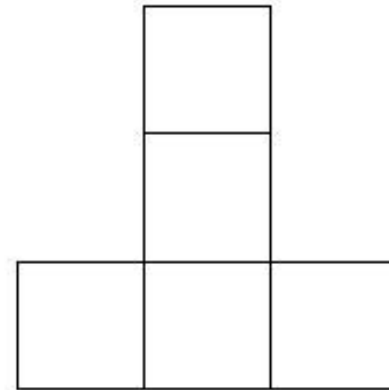


Homework:

A three-dimensional figure has the Front and Side views shown below.



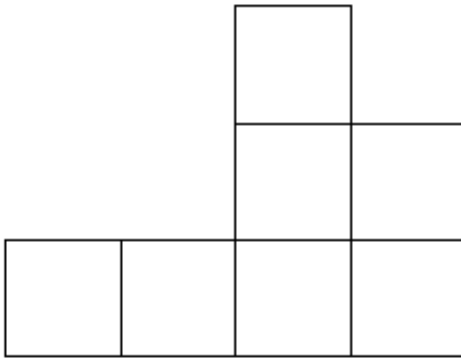
Front



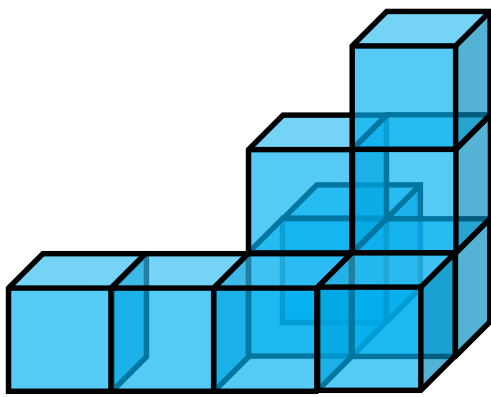
Side

Try to create the three-dimensional figure.

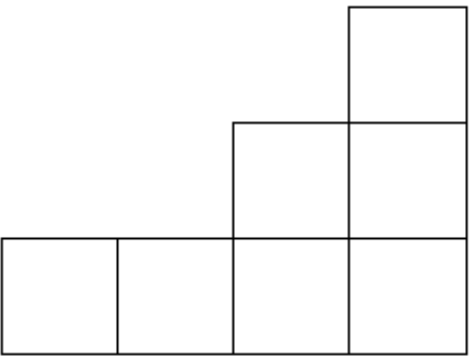
The Top view of the figure is shown below.



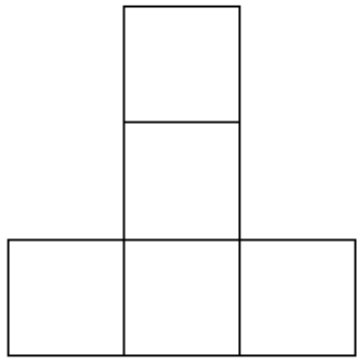
Top



If necessary, modify your three-dimensional figure so it matches all three views.

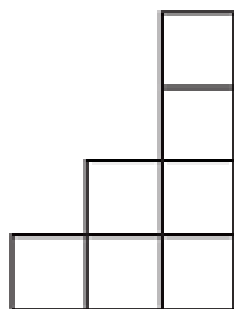


Front

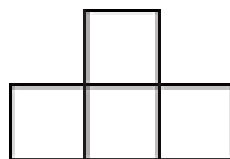


Side

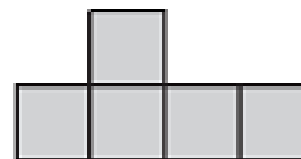
The top, front, and side views of a solid figure made of cubes are shown below.



Top



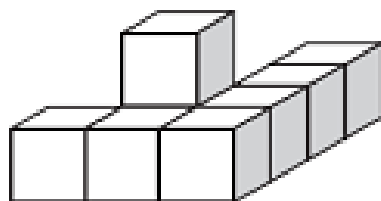
Front



Side

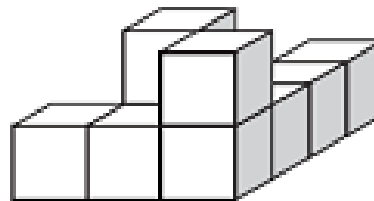
Which solid figure is best represented by these views?

F



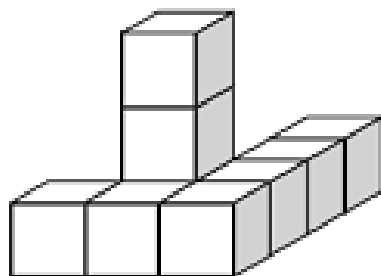
Front

H



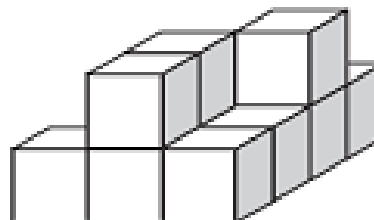
Front

G



Front

J



Front

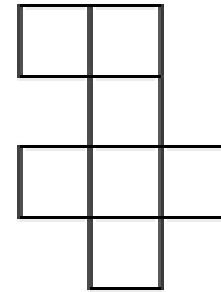
The top, side, and front views of a solid figure made of cubes are shown below.



Top



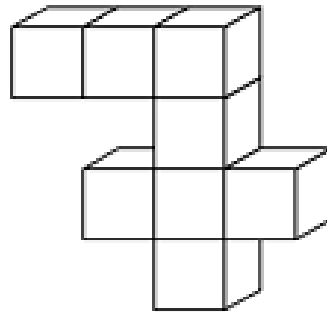
Side



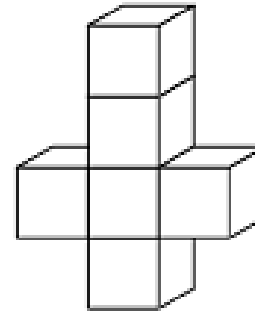
Front

Which solid figure is best represented by these views?

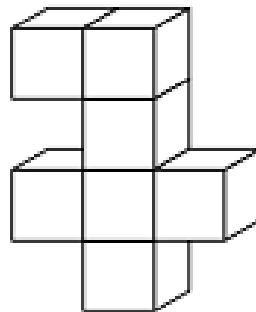
A



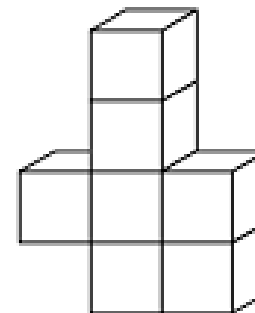
C



B



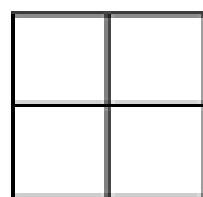
D



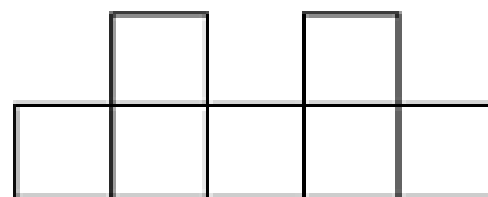
5 The top, side, and front views of a solid figure made of cubes are shown below.



Top

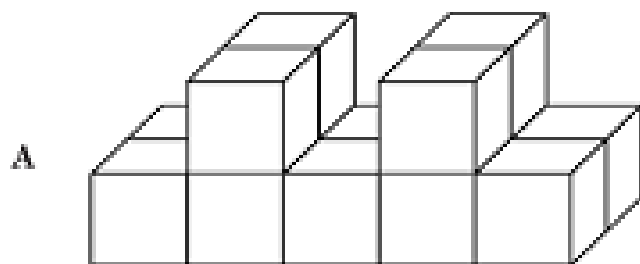


Side

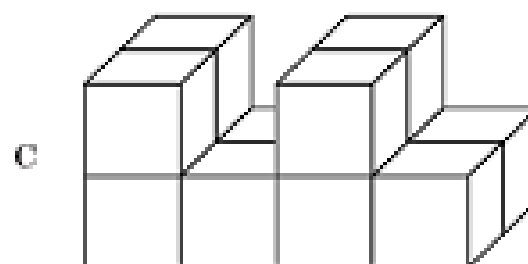


Front

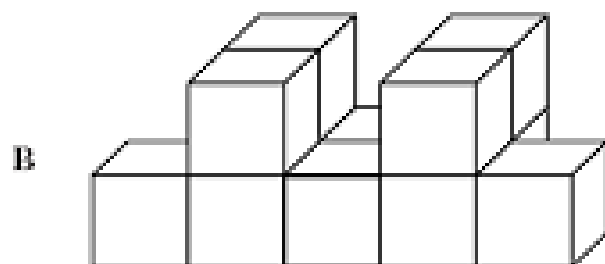
Which solid figure matches the views above?



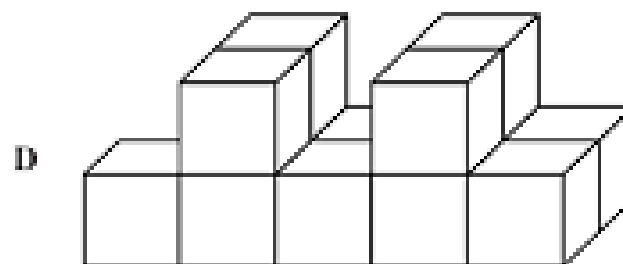
Front



Front



Front



Front

Mystery Solid

Use up to 10 linking cubes to build a three-dimensional figure. Do NOT use more than 10 cubes and do NOT show your figure to anybody.

Draw the top, front and side views of your solid on the mystery solid paper.

Once you have verified that the drawings of your views are accurate, place your mystery solid in the paper bag.

Trade your drawings with another student and try to build a copy of each others' mystery solid.