

Do Now

Using exactly 9 toothpicks, create four equilateral and congruent triangles. Draw your solution below.



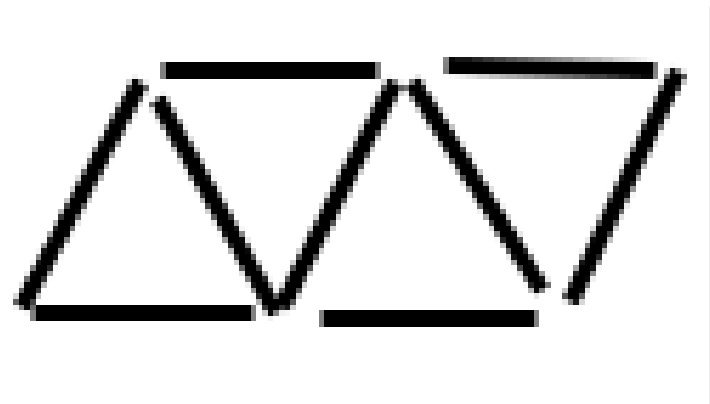
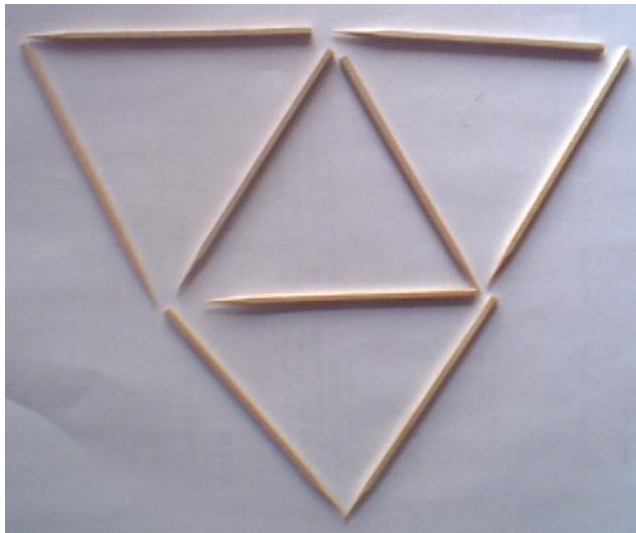
Next, using exactly 6 toothpicks, create four equilateral and congruent triangles. Draw your solution below.

Using exactly 9 toothpicks, create four equilateral and congruent triangles. Draw your solution below.

Do Now

Using exactly 9 toothpicks, create four equilateral and congruent triangles. Draw your solution below.

Possible solutions:



Do Now

Next, using exactly 6 toothpicks, create four equilateral and congruent triangles. Draw your solution below.

Solution:



Test Results

10) SAT problem

$$(AC)^2 + (BC)^2$$

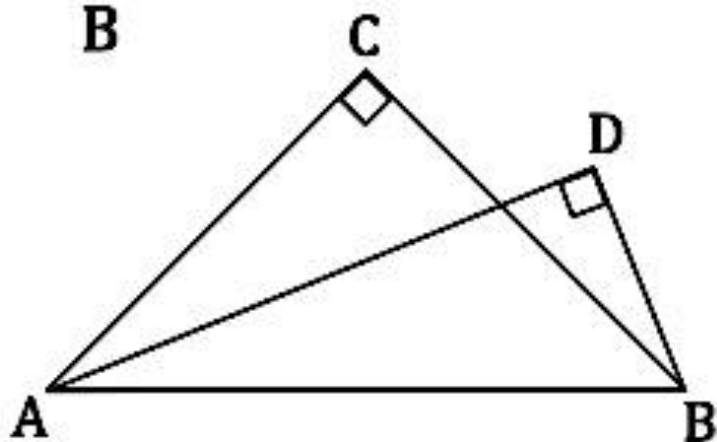
A

$$(AD)^2 + (BD)^2$$

B

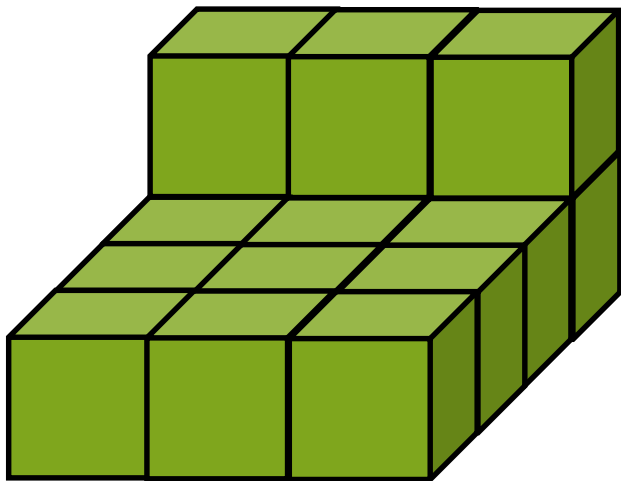
Which statement is true?

- (A) A is greater than B.
- (B) B is greater than A.
- (C) A and B are equal.
- (D) There is not enough information to tell which is greater.



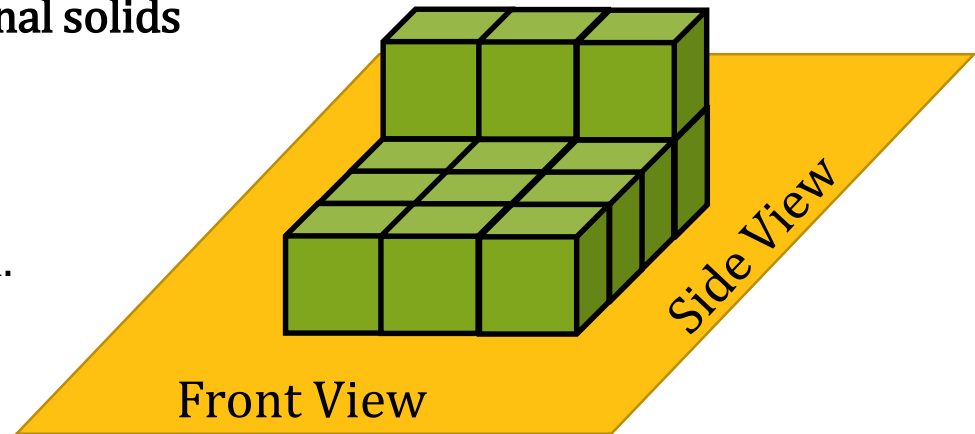
Pi Contest and Pi Day details

Using the cubes on your table, please build the polyhedron pictured below.

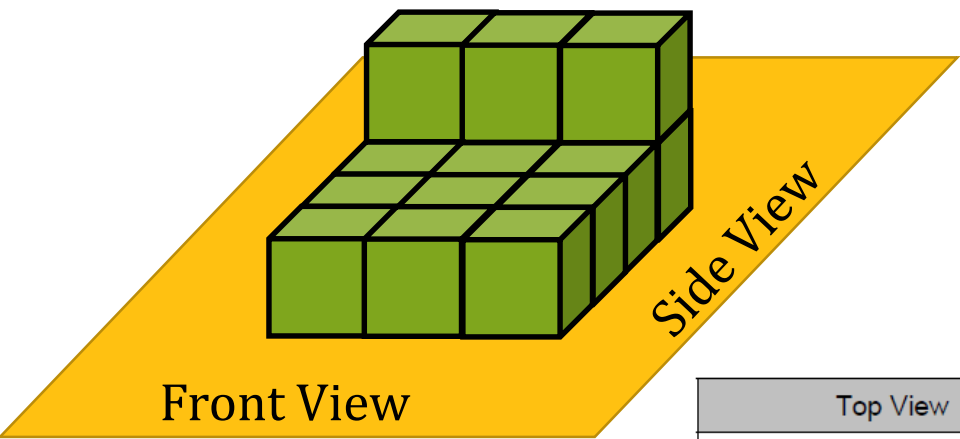


Drawing views of three dimensional solids

Draw the top, front, and side views of the polyhedron pictured.



Top View	Front View	Side View																																																																											
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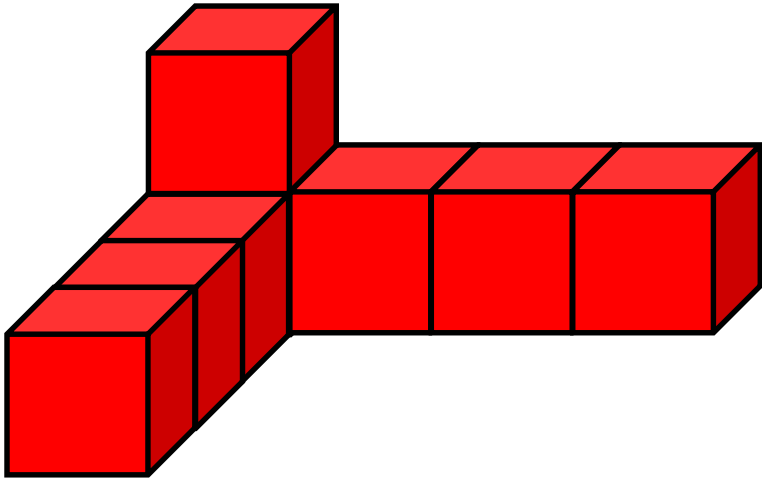
Top View	Front View	Side View																																																																																					
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How many cubes did you use to build this three-dimensional figure?

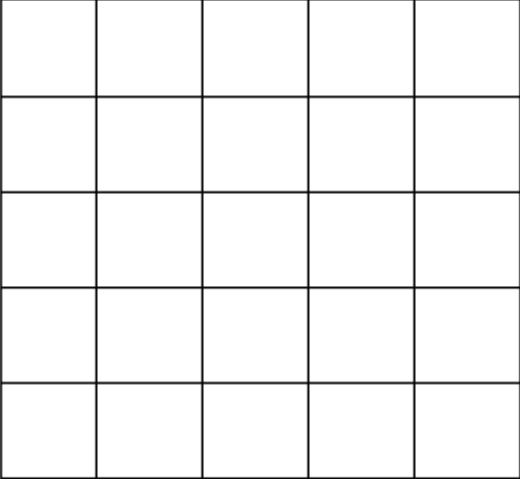
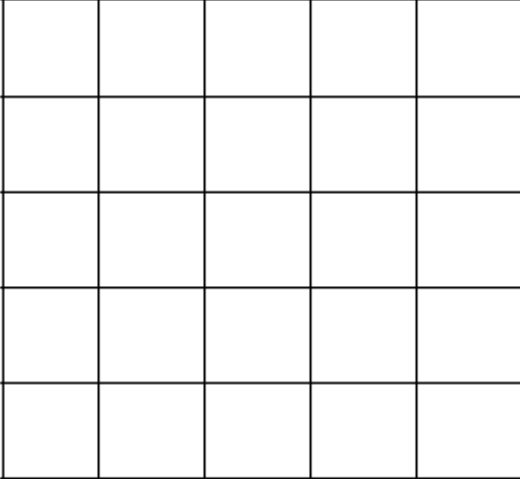
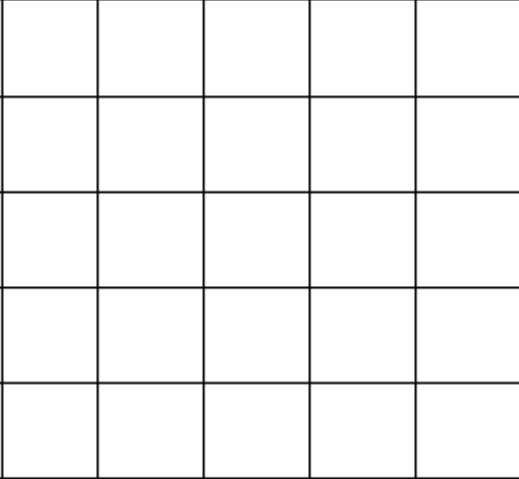
How could you add a cube to the figure without changing the top view?

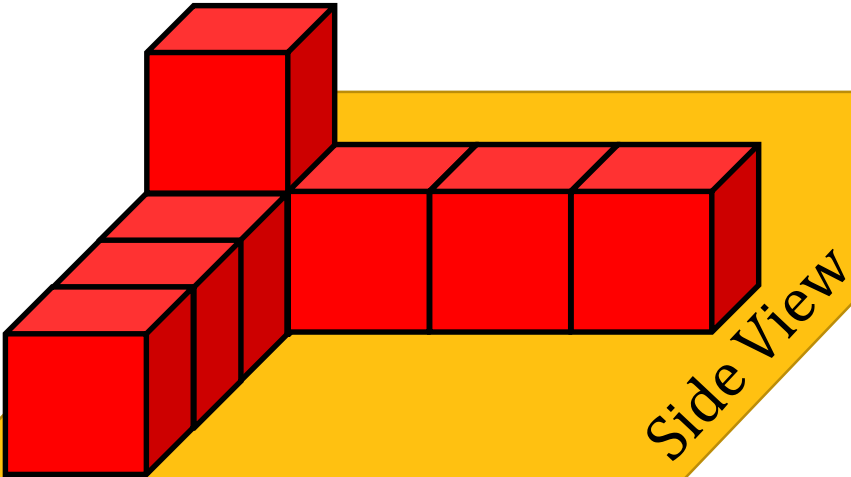
How could you remove a cube from the figure without changing the side view?

Now try building this one.



Orient your polyhedron as shown.
Then, draw the top, front, and side views.

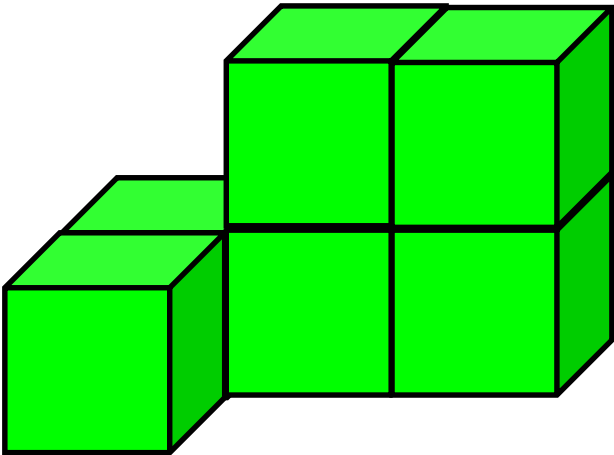
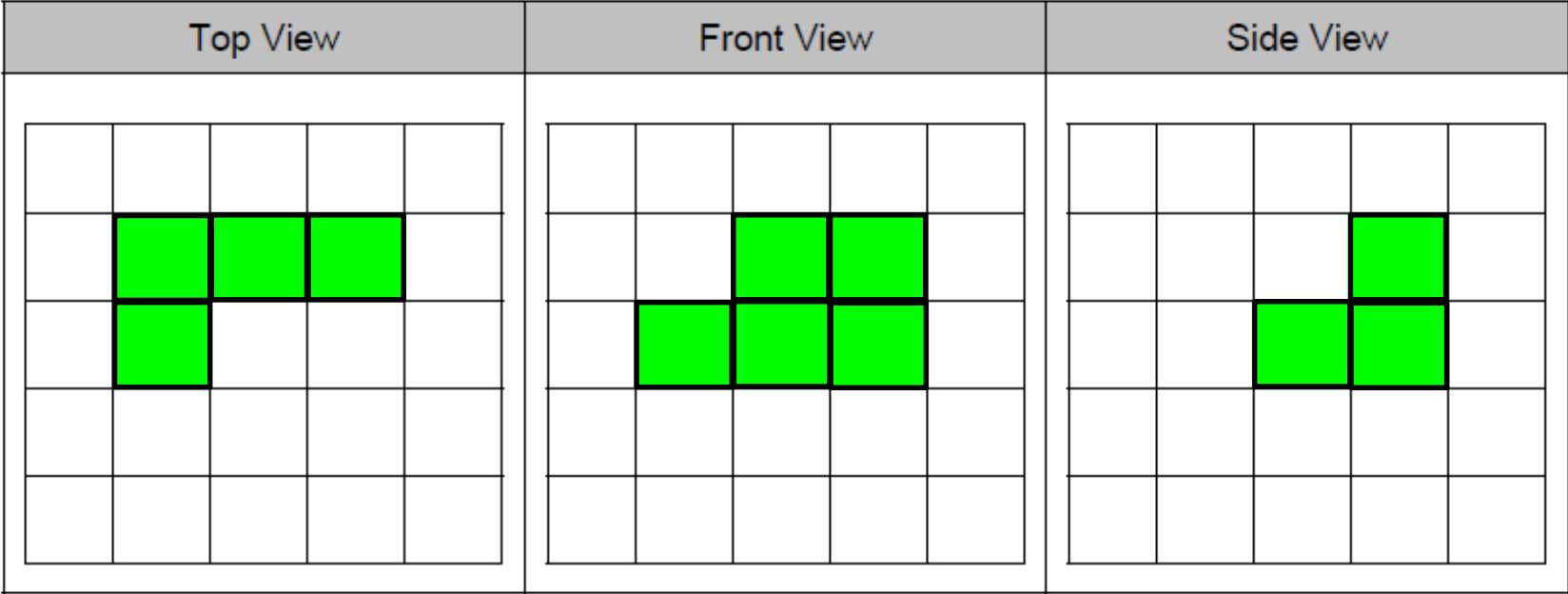
Top View	Front View	Side View
		



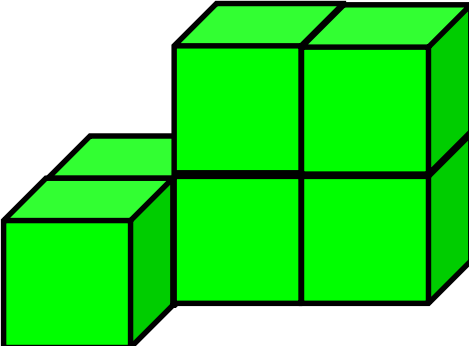
Front View

Side View

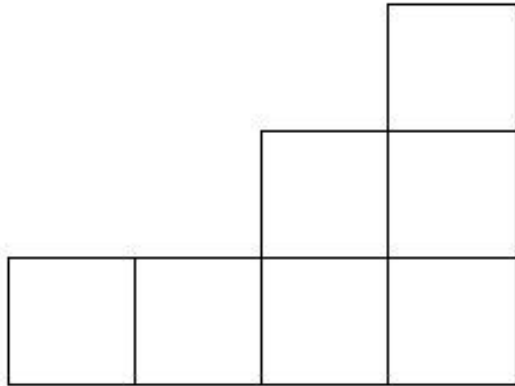
The top, front and side views of a three-dimensional figure are shown below. Try to build the figure.



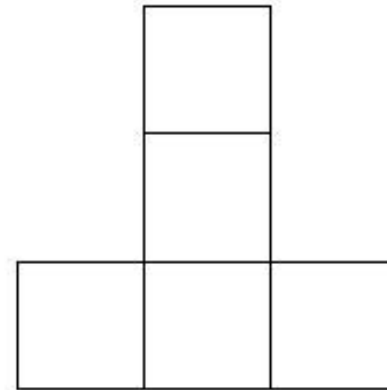
Let's try drawing an isometric 3-D view like the one shown here.



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



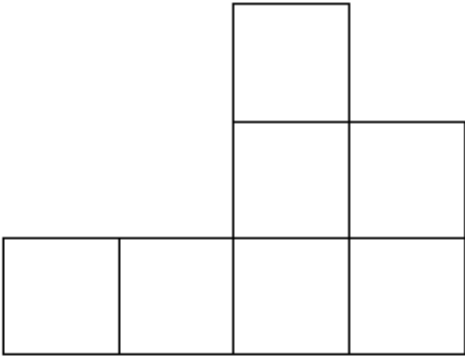
Front



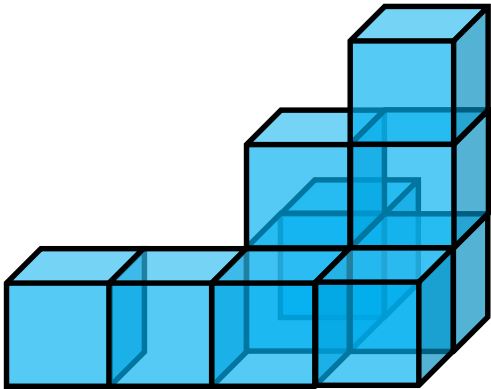
Side

Try to create the three-dimensional figure.

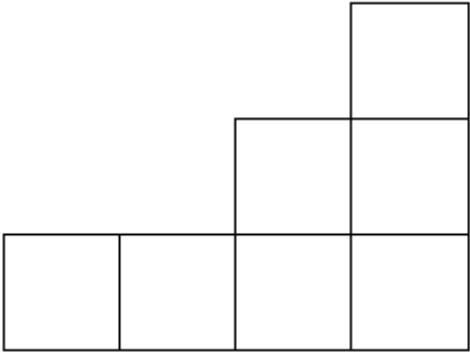
The Top view of the figure is shown below.



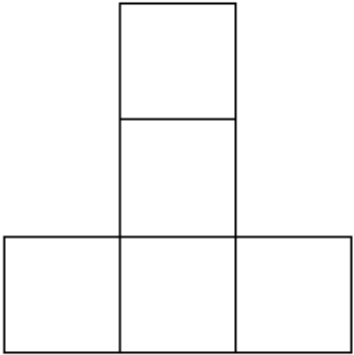
Top



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



Front



Side