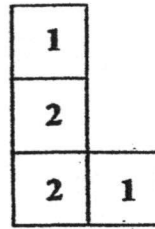


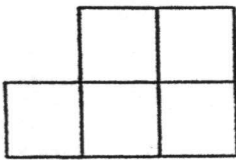
Spatial Visualization

Visualizing from different points of view

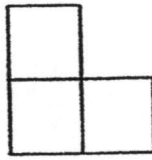
#1- Example



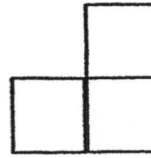
Floor Plan



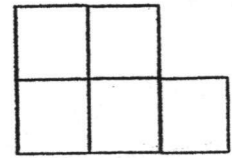
Left



Front

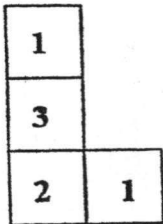


Back



Right

#2- Build the plan, then draw what it would look like from the following points of view:



Floor Plan

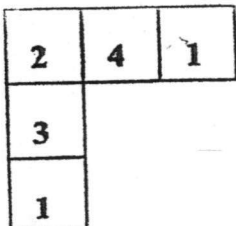
Left

Front

Back

Right

#3- Build the plan, then draw what it would look like from the following points of view:



Floor Plan

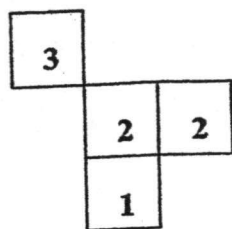
Left

Front

Back

Right

#4- Build the plan, then draw what it would look like from the following points of view:



Floor Plan

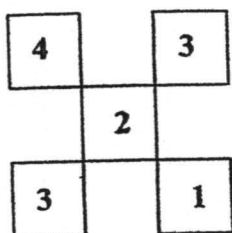
Left

Front

Back

Right

#5- Build the plan, then draw what it would look like from the following points of view:



Floor Plan

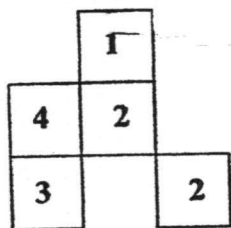
Left

Front

Back

Right

#6- Build the plan, then draw what it would look like from the following points of view:



Floor Plan

Left

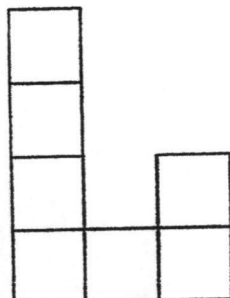
Front

Back

Right

Draw the view from the backside of the following plans:

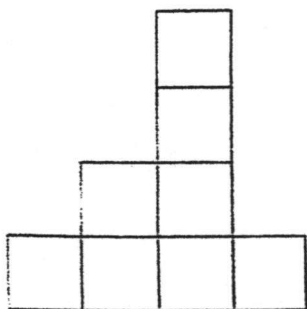
#1



Front

Back

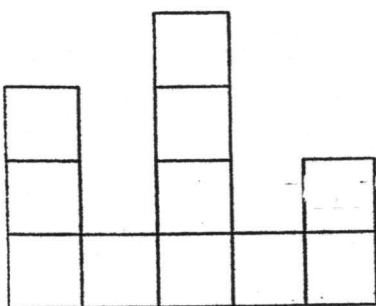
#2



Front

Back

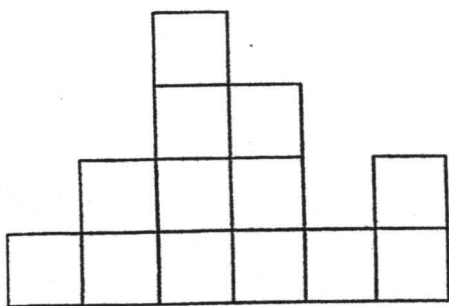
#3



Front

Back

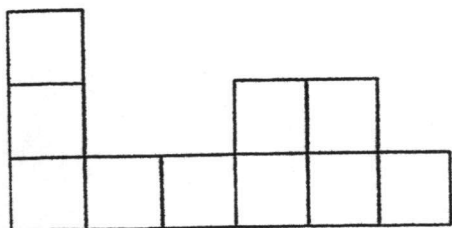
#4



Front

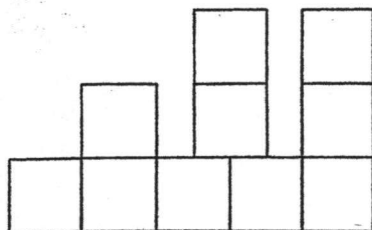
Back

#5



Front

Back



Front

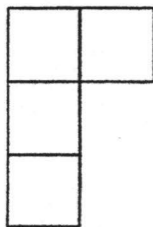
Back

Visualizing and matching

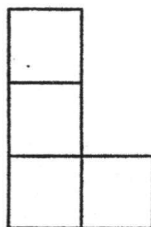
#1

1	1
2	
3	

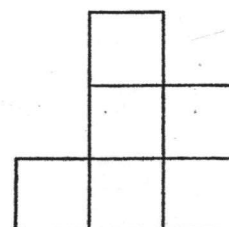
Floor Plan

1. Build the plan with blocks.**2. Cover the floor plan.****3. Which set of plans matches the building you have built?****Set A**

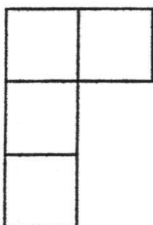
Base



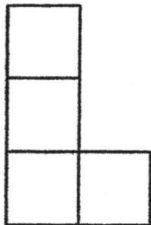
Front



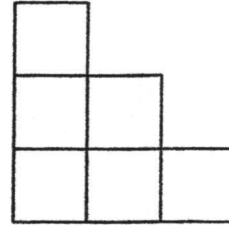
Right

Set B

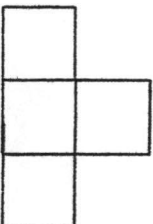
Base



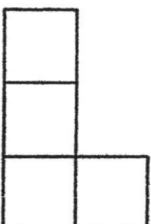
Front



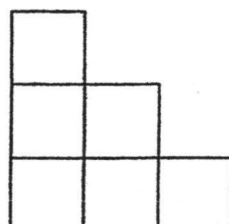
Right

Set C

Base



Front



Right

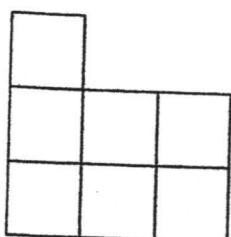
#2

3		
1	1	4
2	1	2

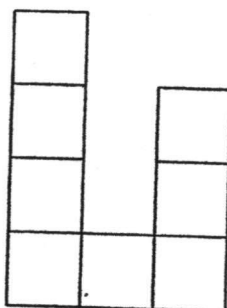
Floor plan

1. Build the plan with blocks.
2. Cover the floor plan.
3. Which set of plans matches the building you have built?

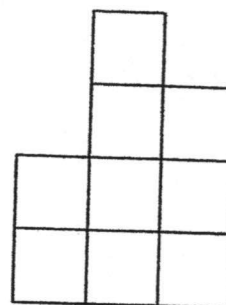
Set A



Base

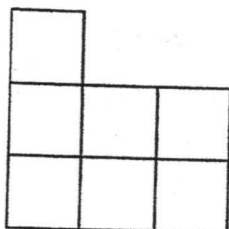


Front

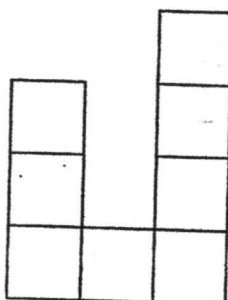


Right

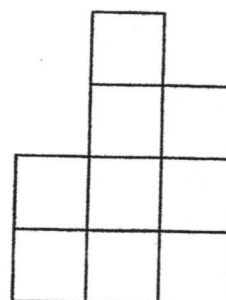
Set B



Base

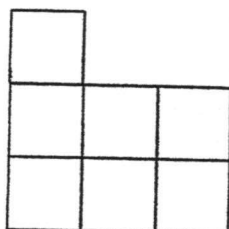


Front

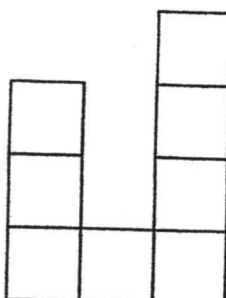


Right

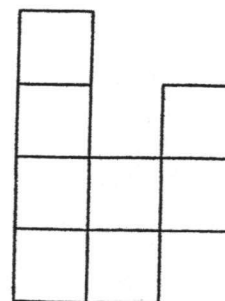
Set C



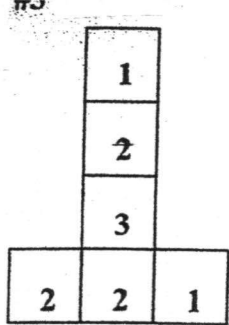
Base



Front



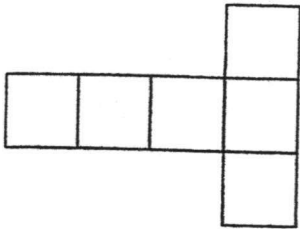
Right



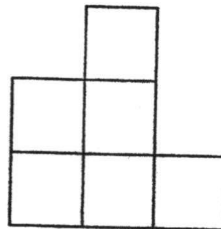
1. Build the plan with blocks.
2. Cover the floor plan.
3. Which set of plans matches the building you have built?

Floor Plan

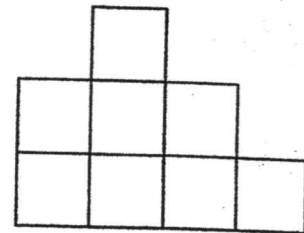
Set A



Base

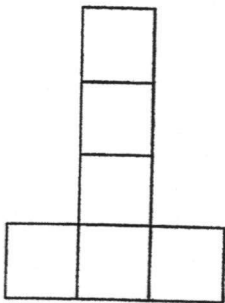


Front

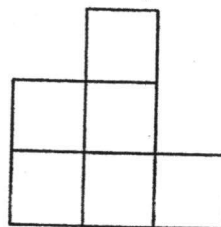


Right

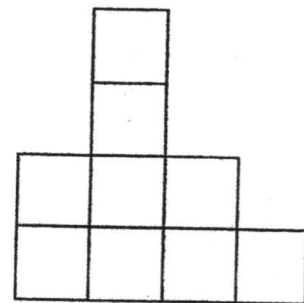
Set B



Floor

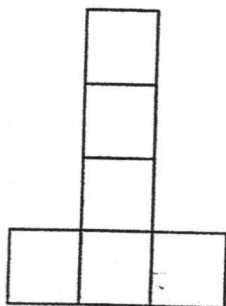


Front

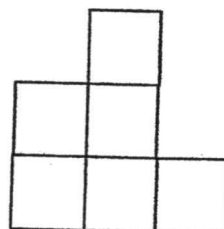


Right

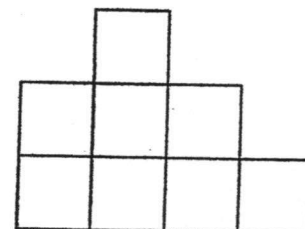
Set C



Floor



Front



Right

Label The Views

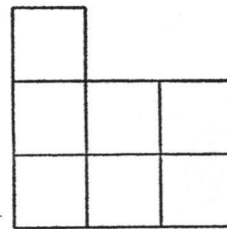
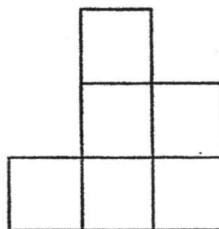
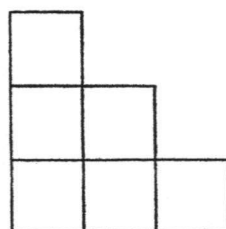
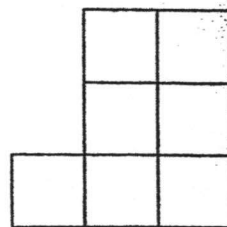
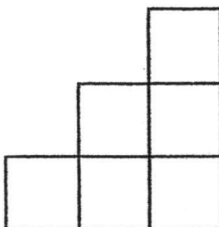
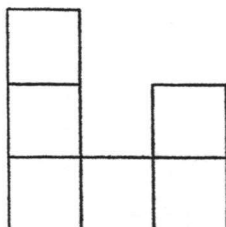
3		
1	1	2
1	1	1

1. Build the plan with blocks.

2. Cover the floor plan.

3. Label the following views:

Hint: Not all of the views will be used!



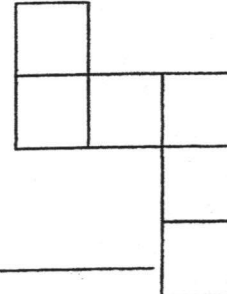
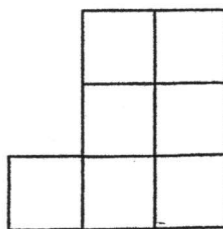
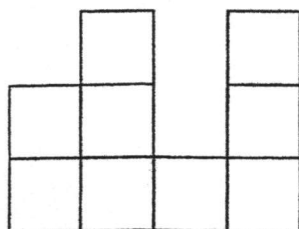
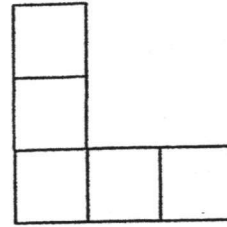
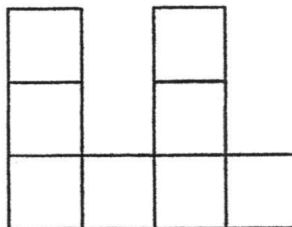
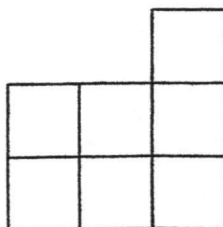
2			
1	2	3	
		1	
		3	

1. Build the plan with blocks.

2. Cover the floor plan.

3. Label the following views:

Hint: Not all of the views will be used!



Building A

1	1	2
1	3	

Building B

2	1	1
1	1	
1		

Building C

2	1	1
1	3	

Building D

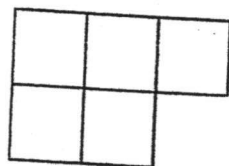
2	1	2
1	3	
1		

Building E

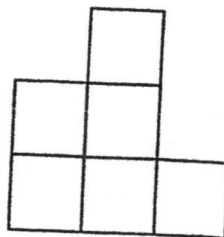
1	1	1
1	1	
2		

Which set matches buildings A – E?

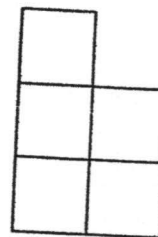
Set 1



Base

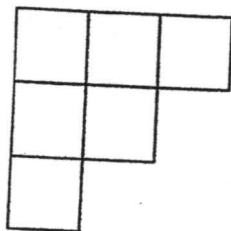


Front

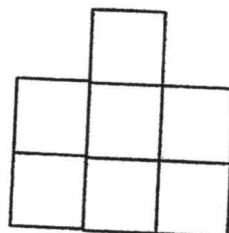


Right

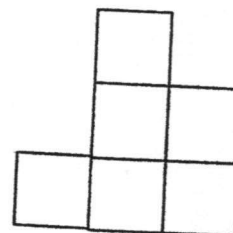
Set 2



Base

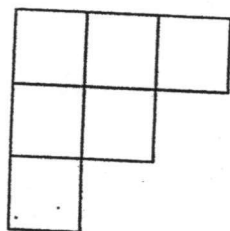


Front

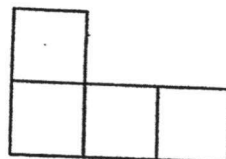


Right

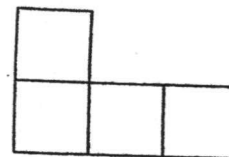
Set 3



Base

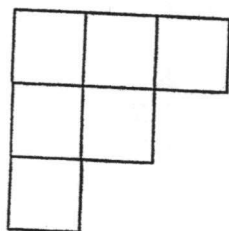


Front

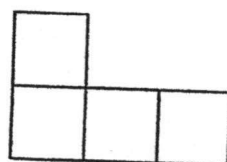


Right

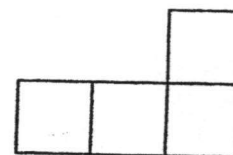
Set 4



Base

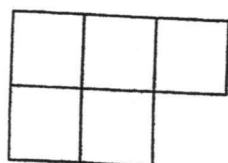


Front

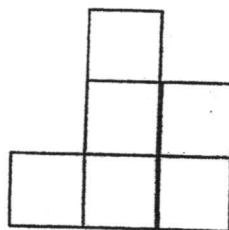


Right

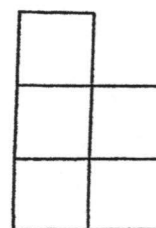
Set 5



Base



Front



Right

Building and Matching H

Building AA

2	1	1
	3	1
	2	

Building BB

3	2	1
	3	1
		1

Building CC

2	3	1
	1	2
	1	

Building DD

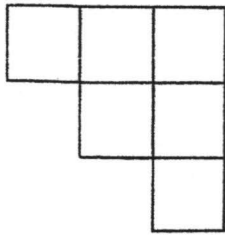
1	2	1
	3	1
		2

Building EE

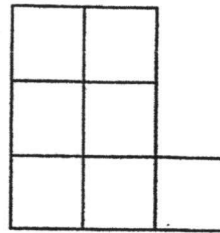
1	1	2
	3	1
	2	

Which set matches buildings AA – EE?

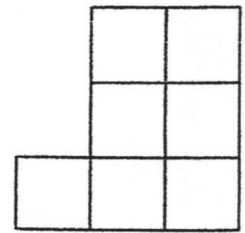
Set 1



Base

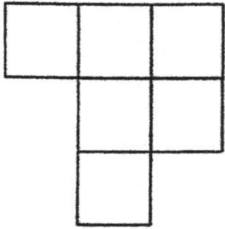


Front

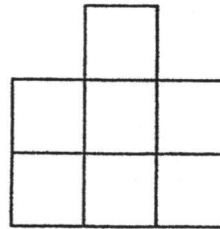


Right

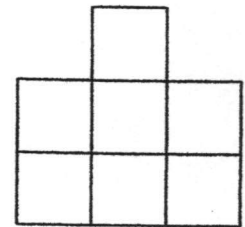
Set 2



Base

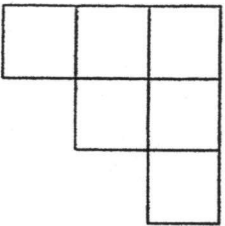


Front

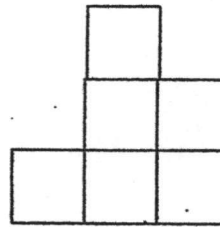


Right

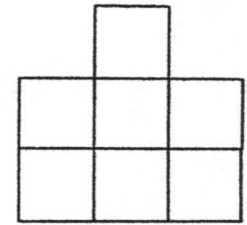
Set 3



Base

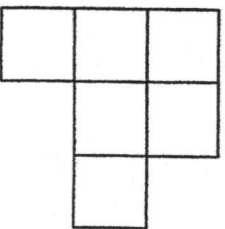


Front

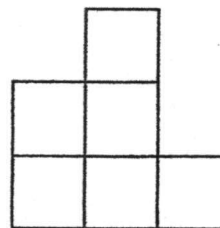


Right

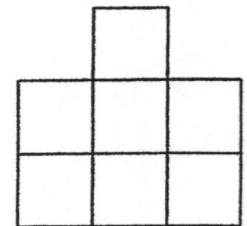
Set 4



Base

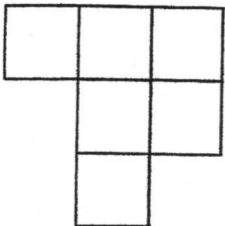


Front

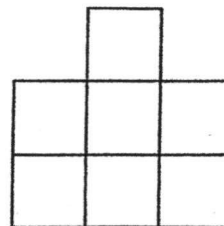


Right

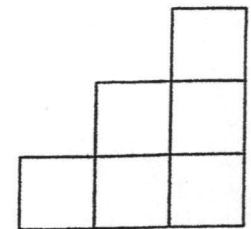
Set 5



Base

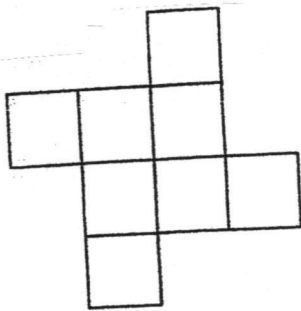


Front

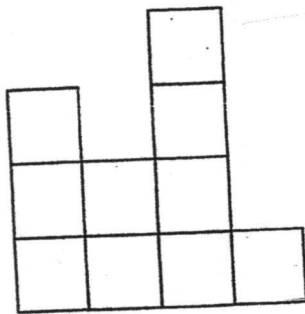


Right

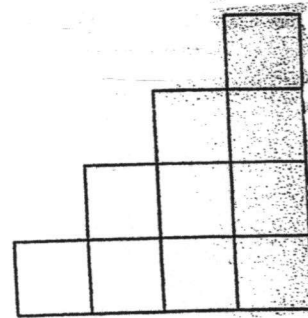
Complete The Plans



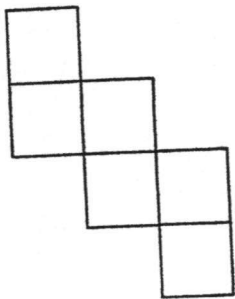
Base



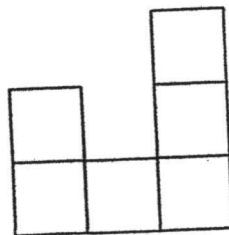
Front



Right

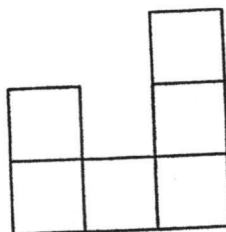


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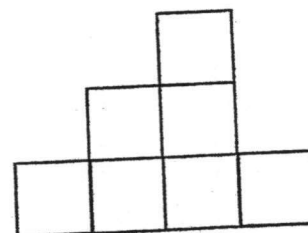
Front

Right

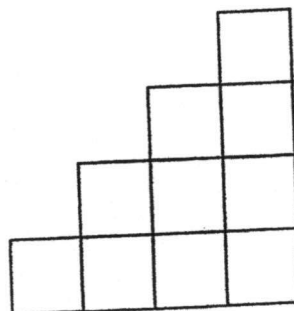


Base

Front

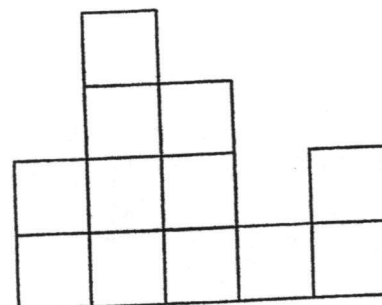


Right



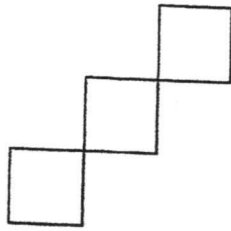
Base

Front

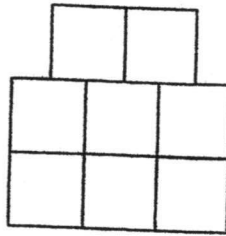


Right

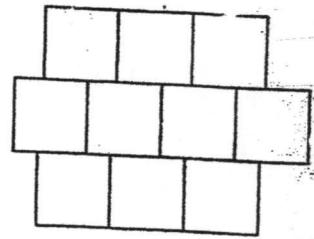
Build From The Plan



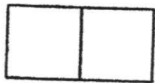
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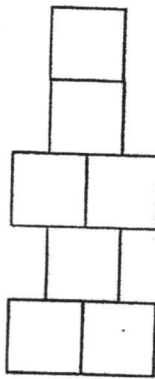
Front



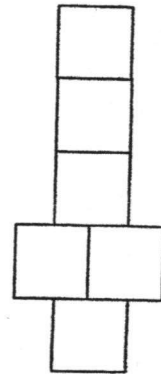
Right



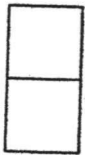
Base



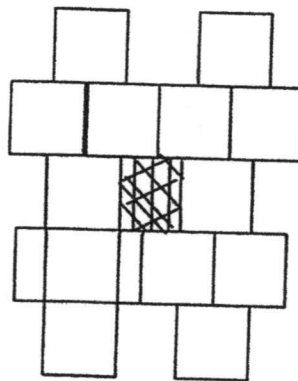
Front



Right



Base

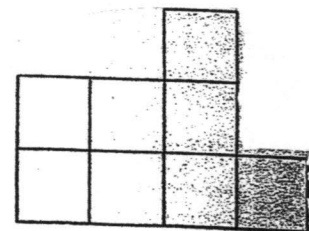
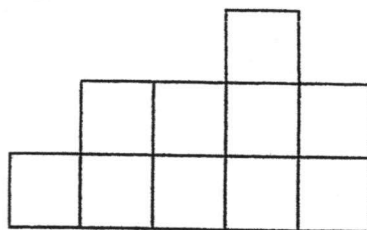


Front

Right

Building With Minimum and Maximum Number of Blocks

1. Complete the plan
2. Build using the maximum # of blocks.
3. Build using the minimum # of blocks.



Base

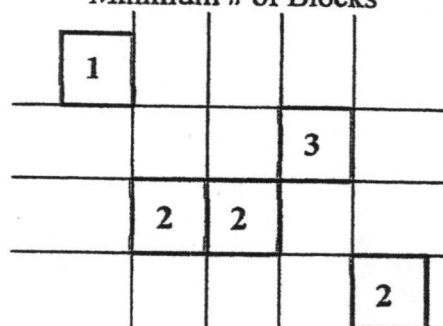
Front

Right

Maximum # of Blocks

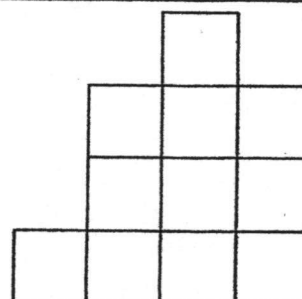
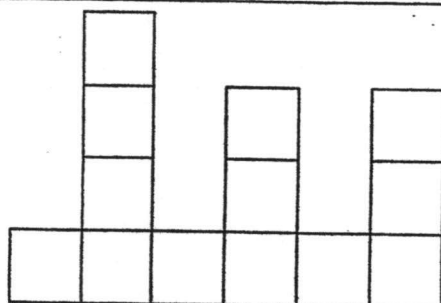
33

Minimum # of Blocks



(Base)

10



Base

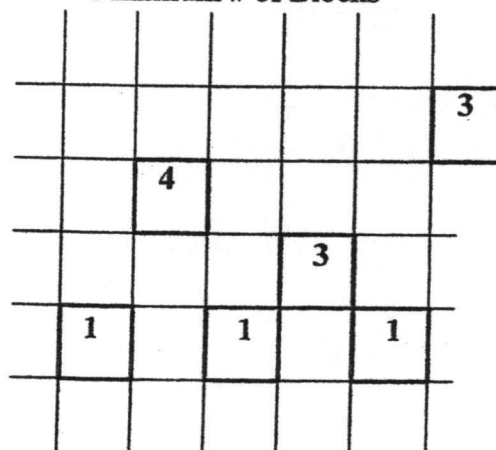
Front

Right

Maximum # of Blocks

43

Minimum # of Blocks



(Base)

13