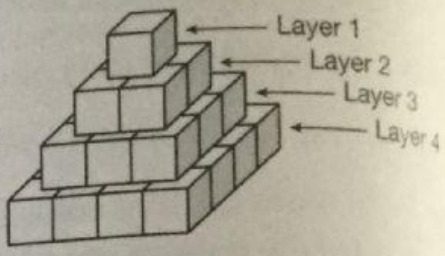
Try It

Solve the problem.

(1) At an amusement park, a building like this one will be made of huge blocks. It will light up 4 times each minute. How many blocks are needed to make 8 layers?



Mark the Text

Read the Problem and Search for Information

Mark the numbers and words that will help you.

Decide What to Do and Use Your Ideas

You can use the strategy *Look for a Pattern.*

Ask Yourself

Is the number of blocks from one layer to another increasing the same way?

Step 1 Look for a pattern in the number of blocks in each layer.

Layer	1	2 	3 	4 
Number of Blocks	1	4		

The number of blocks in each layer is the layer number times itself.

Step 2 Extend the pattern.

How many blocks are in the eighth layer? _____

Step 3 Add the number of blocks in each layer.

1 + 4 + 9 + 16 + 25 + 36 + _____ + _____ = _____

So _____ blocks are needed.

Review Your Work

Be sure to check your computations.

Identify What information is *not* needed to answer the question?

_____