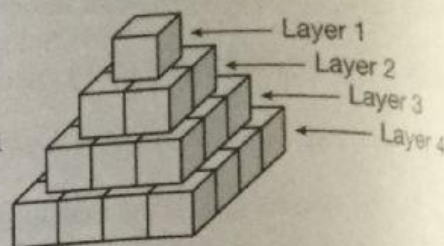


# Try It

**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*.

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

	1	2	3	4
Layer				
Number of Blocks	1	4		

Ask  
Yourself

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

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.

$$1 + 4 + 9 + 16 + 25 + 36 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

So \_\_\_\_\_ blocks are needed.

## Review Your Work

Be sure to check your computations.

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