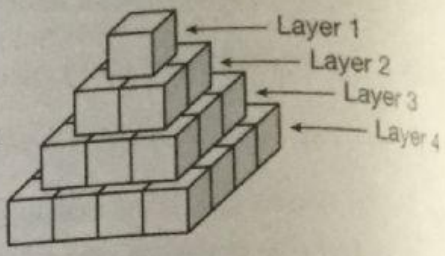
# Try It

**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?

_____