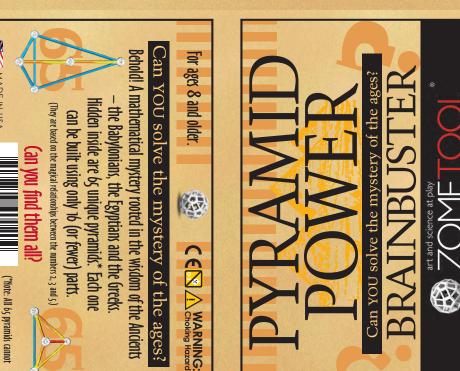
SECRET **40T** DO NOT OPEN Check off each pyramid as you solve it on the chart above. You can use the illustrations on the reverse side to check each solution as you solve it, or you can wait to look until you get stuck. UNTIL YOU'RE w - w - v - v - v - w - w NWNNHH NNNNNWWN NHN HHHH NHNHNWWHNH **ANSWERS**



be built at the same time.

65 PYRAMIDS

Can You Build all 65?

Using the enclosed Zometool balls and struts, try to find 65 different* triangular pyramids. (See "Puzzler Beware" at right.) A pyramid with a triangular base is called a **tetrahedron** -meaning "4 faces". You can see several examples of triangular pyramids on this page.

How to Solve the Pyramid Power Brainbuster:

- 1. Look at the chart in the following section and select the balls and struts you need in order to make the first pyramid.
- 2. Try to fit the parts together so they form a triangular pyramid made of four triangles joined edge to edge.

3. When you succeed, check it off on the chart, and go on to the next pyramid.

> If you get stuck, the answers illustrated are on the other side of this sheet. Use them to confirm each solution.

SECRET

Open the other side of this

S T A A 9

sheet whenever you're ready to check your solution or when you get stuck.

-piue, yellow or red. sport (1) and medium (2)—and colors

The Pyramid Power Brainbuster contains 37 Zometool pieces,

(You cannot build all 65 pyramids at the same time.) chart on the left, checking off each pyramid as you solve it.

Can you find them all? Build them one at a time using the ways using 16 or fewer pieces — to build 65 unique pyramids. bag are 37 Zome pieces that can be rearranged 65 different ancient Greeks, Egyptians and Babylonians. Inside the net

Here's a mathematical mystery rooted in the wisdom of the

the indicated lengths - super-short (o), with 7 Zometool balls and 30 struts in

Remember, build each pyramid one at a time - you can't build all 65 pyramids at one time!







For more information about Zometool. call 1-855-ZOMETOOL (855-966-3866) or visit zometool.com!

Zome is based on the 31-Zone Structural System, discovered by Steve Baer, Zomeworks Corporation, Albuquerque, NM USA,

- . Mirror Images If your version is a mirror image of one you see pictured, it counts as one of the 65 pyramids.
- . Proportional Pyramids Sometimes you can make two different sizes of the same pyramid, but it still counts as one of the 65. (If you find one, each strut is just one size bigger than the one shown in the chart and on the key.)
- 3. Flat Pyramids Pyramids where all the balls lie in the same plane don't count.

