The tallest toilet roll pyramid is 4.1 m and was achieved by Brazilians Ivan Zarif Neto, Rafael Migani Monteiro and Fernando Gama in São Paulo, Brazil, on 20th November 2012.

Each side of the square base of the pyramid measured 4.3 m. The pyramid was comprised of 23,821 separate rolls.

TASK:

- Use all the cups provided to build a pyramid.
- Which pattern did you use to build this pyramid?

- Following the same pattern how many cups will you need to add an extra bottom layer?
- Fill in the table below to show the number of cups needed.

Number of layers	2	3	4	5	6				10
Number of cups									