

CONSTRUCT THE GREAT PYRAMID OF GIZA

To scale (1:455)
using
marshmallows
and
toothpicks!



Why a ratio of 1:455 ???

The *original* height of the Great Pyramid is estimated at 40 stories (about 480 feet.) Due to erosion over the past 4500 years, however, its current height is **455 feet**. (This means it's 10x *older* than it is tall...just in case you missed it!) Each of the four base sides measures **756 feet**.

If we use the 455 as our ratio, our scale model will measure exactly
1 foot high ($455 / 455 = 1$) and approximately
1 foot 8 inches wide ($756 / 455 = 1.661$)

(Using standard 2.5" toothpicks, you can therefore expect **each side of the base** to be made up of **8 toothpicks and 9 marshmallows**.)

That's all the information we can give you...Good Luck!

NOTES/DRAWINGS :