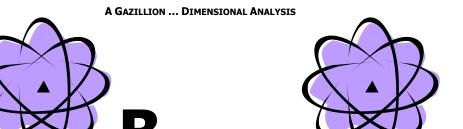
A Gazillion



How big is a million?

1,000,000 or 10°

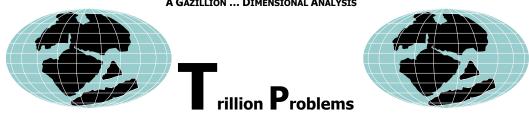
- How tall would a tower of a million legos be?
- How thick would a football field be layered with a million pieces of popcorn?
- How much of New Jersey could you cover with a million post its?
- How big would a parking lot be to hold a million cars?



How big is a billion?

1,000,000,000 or 10

- How tall would a tower of a billion legos be?
- How thick would a football field be layered with a billion pieces of popcorn?
- How much of New Jersey could you cover with a billion post its?
- How big would a parking lot be to hold a billion cars?



How big is a trillion?

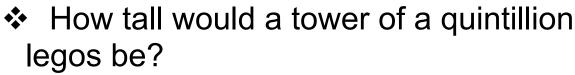
1,000,000,000,000 0 /0/2

- How tall would a tower of a trillion legos be?
- How thick would a football field be layered with a trillion pieces of popcorn?
- How much of New Jersey could you cover with a trillion post its?
- How big would a parking lot be to hold a trillion cars?



How big is a quintillion?

1,000,000,000,000,000 00 00 /0/8



- How thick would a football field be layered with a quintillion pieces of popcorn?
- How much of New Jersey could you cover with a quintillion post its?
- How big would a parking lot be to hold a quintillion cars?
- ❖ What has 600,000 quintillion things in it?



Googol Problems



How big is a googol?



- How tall would a tower of a googol legos be?
- How thick would a football field be layered with a googol pieces of popcorn?
- How much of New Jersey could you cover with a googol post its?
- How big would a parking lot be to hold a googol cars?

Googolplex Problems

How big is a googolplex?



- How tall would a tower of a googolplex legos be?
- How thick would a football field be layered with a googolplex pieces of popcorn?
- How much of New Jersey could you cover with a googolplex post its?
- How big would a parking lot be to hold a googolplex cars?

A GAZILLION ... DIMENSIONAL ANALYSIS

		i 	DIMENSIONAL ANALYSIS
Scientific	American	Scientific	American
10^{0}	One	1090	Novemvigintillion
10^{1}	Ten	10^{93}	Trigintillion
10^2	Hundred	10^{96}	Untrigintillion
10^3	Thousand	1099	Duotrigintillion
10^{6}	Million	10^{100}	Googol
109	Billion	10^{102}	Tretrigintillion
10^{12}	Trillion	10^{105}	Quattuortrigintillion
10^{15}	Quadrillion	10^{108}	Quintrigintillon
10^{18}	Quintillion	10111	Sextrigintillion
10^{21}	Sextillion	10^{114}	Septentrigintillion
10^{24}	Septillion	10117	Octotrigintillion
10^{27}	Octillion	10^{120}	Novemtrigintillion
10^{30}	Nonillion	10^{123}	Quadragintillion
10^{33}	Decillion	10^{126}	Unquadragintillion
10 ³⁶	Undecillion	10 ¹²⁹	Duoquadragintillion
10 ³⁹	Duodecillion	10^{132}	Trequadragintillion
10 ⁴²	Tredecillion	10^{135}	Quattuorquadragintillion
10^{45}	Quattuordecillion	10^{138}	Quinquadragintillion
10^{48}	Quindecillion	10141	Sexquadragintillion
10 ⁵¹	Sexdecillion	10144	Septenquadragintillion
10 ⁵⁴	Septendecillion	10^{147}	Octoquadragintillion
10 ⁵⁷	Octodecillion	10^{150}	Novemquadragintillion
10^{60}	Novemdecillion	10^{153}	Quinquagintillion
10^{63}	Vigintillion	10^{156}	Unquinquagintillion
10 ⁶⁶	Unvigintillion	10^{159}	Duoquinquagintillion
10^{69}	Duovigintillion	10^{162}	Trequinquagintillion
10^{72}	Trevigintillion	10^{165}	Quattuorquinquagintillion
10^{75}	Quattuorvigintillion	10^{168}	Quinquinquagintillion
10^{78}	Quinvigintillion	10^{171}	Sexquinquagintillion
1081	Sexvigintillion	10 ¹⁷⁴	Septenquinquagintillion
1084	Septenvigintillion	10177	Octoquinquagintillion
10^{87}	Octovigintillion	10^{180}	Novemquinquagintillion
		10 googol	Googolplex
		10 googolplex	Googolplexian (the largest number with a name)