



3.32593×10^7



map of barbados



Who is Dror Bar-Natan? >> +

Bar ?

Definitions

- 1 noun a room or establishment where alcoholic drinks are served over a counter

 - 2 noun a counter where you can obtain food or drink

 - 3 noun a rigid piece of metal or wood; usually used as a fastening or obstruction or weapon

 - 4 noun musical notation for a repeating pattern of musical beats

 - 5 noun an obstruction (usually metal) placed at the top of a goal

 - 6 noun the act of preventing

 - 7 noun (meteorology) a unit of pressure equal to a million dynes per square centimeter

 - 8 noun a submerged (or partly submerged) ridge in a river or along a shore
- (20 meanings)

Who is Barack Obama? +

Basic information

full name	Barack Hussein Obama II
date of birth	Friday, August 4, 1961 (age: 49 years)
place of birth	Honolulu, Hawaii, United States



What's the volume of the n-ball? >>



↳ Equation

```
HoldForm[Sum[Subscript[x, i]^2, {i, 1, n}]] == r^2
```

Assuming volume | Use **content** instead

Input interpretation:

S^{-1+n} (sphere in n -dimensional space)	volume
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Equation:

```
➔ HoldForm[Sum[Subscript[x, i]^2, {i, 1, n}]] == r^2
```

$$\sum_{i=1}^n x_i^2 = r^2$$

(assuming radius r , center at the origin)

Properties:

diameter	$2 r$
content	$\frac{2 \pi^{n/2} r^n}{n \Gamma(\frac{n}{2})} \approx \frac{2 \times 3.14159^{n/2} r^n}{n \Gamma(\frac{n}{2})}$
hyper-surface area	$\frac{2 \pi^{n/2} r^{n-1}}{\Gamma(\frac{n}{2})} \approx \frac{2 \times 3.14159^{n/2} r^{n-1}}{\Gamma(\frac{n}{2})}$

(assuming radius r)

$\Gamma(x)$ is the gamma function >>

$$\sum_{i=1}^n x_i^2 = r^2$$



$$1.41 \times 10^{17}$$



$$2.22 \times 10^{16}$$