

Up, Up, and Away!



Facts about the Goodyear Blimp

- Holds about 202,700 cubic feet of helium
- Weighs about 12,840 pounds



The Answer:

1. First weigh yourself in pounds. You could set up a proportion. Your weight/ x = 5 lbs/160 and solve. Or take your weight, divide it by 5 and multiply the answer by 160. That is how many 1 foot diameter balloons filled with helium it would take to lift you.
2. The answer can be figured several ways. This is all approximation so the answers are close to each other. One way is to set up a proportion 12,840 (wt. of the blimp) / x = 5/160 and solve. The answer is 410,880 balloons. **OR** Divide 12,840 by 5 and multiply by 160 and you will get the same answer. You could take 202,700 and divide by 0.5 and get 405,400 balloons.



It takes about 160 1 foot diameter balloons, each filled with 0.5 cubic feet of helium, to lift 5 pounds.