

Iceberg Alley



New York Times - Iceberg watchers near Ferryland, Newfoundland. JODY MARTIN / REUTERS

During this past Easter weekend an iceberg floated passed Ferryland, Newfoundland.

Icebergs often float by this section of Newfoundland but this one was really huge.

Below are different views of that same iceberg.



1. How big do you think it was? Do your best to try to estimate each dimension...

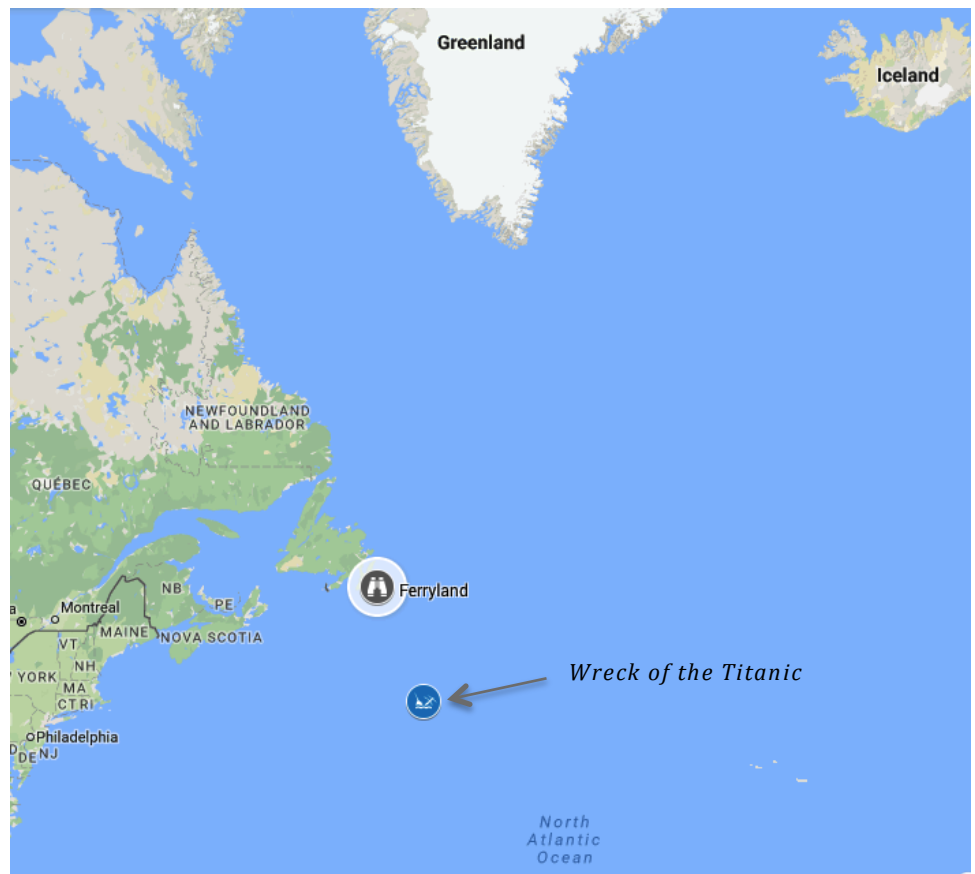
- a. Height?
- b. Width?
- c. Depth above water (front to back)

We read that it was about 15 stories high.

2. How tall is that?
3. Now that you know the height try to more accurately judge the width and depth (front to back) of this berg.
4. Estimate the volume of this giant chunk of ice.

Wait a minute... there is more iceberg there than meets the eye! We also read that 90% of an iceberg is underwater.

5. Now calculate the entire volume of this iceberg (and show your work) ... underwater **and** above water.
6. How many stories below the water might this iceberg reach?
7. Think about the total volume of this iceberg. Would the whole iceberg (below and above water) fit in a house? Your school? A mall? A giant sports stadium? Explain.
8. What do you think the process was that resulted in this giant iceberg floating south from Greenland passed Ferryland, Newfoundland?



Source: <https://mobile.nytimes.com/2017/04/20/world/canada/iceberg-ferryland-newfoundland.html?smprod=nytcore-iphone&smid=nytcore-iphone-share&referer=http://m.facebook.com>

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