



The Washington Monument in Washington, D.C. is an obelisk shaped building that was erected to commemorate George Washington. The structure is constructed of marble and stands at 555 feet tall.

Question: A singular U.S. penny has a thickness of $\frac{1}{16}$ of an inch. Assuming it was possible, how many U.S. pennies would one have to stack on top of each other to create a tower as tall as the Washington Monument?

Solution: A tower made up of pennies stacked on top of each other would require 106,560 pennies in order to be the same height as the Washington Monument.

Work: $\frac{555 \text{ ft}}{1} \times \frac{12 \text{ in}}{1 \text{ ft}} \times \frac{16 \text{ pennies}}{1 \text{ in}} = 106,560 \text{ pennies}$