

WOULDN'T YOU LOVE TO BE A MOLENARE!?!

If you had a mole of dollars (all in \$1000 dollar bills) and you stacked up your bills, the stack would go to the moon and back

47.5 million times.

Assumptions

- \$ assume 250,000 miles to the moon one way → 1 round trip = 5.0×10^5 miles
- \$ assume 100 bills = 0.25 inch → \$400,000 per inch of \$1000 dollar bills

Calculation

$$\cancel{\$6.02 \times 10^{23}} \times \frac{\cancel{1 \text{ in}}}{\cancel{\$400,000}} \times \frac{1 \text{ round Trip}}{5.0 \times 10^5 \cancel{\text{ mi}}} \times \frac{\cancel{1 \text{ mi}}}{\cancel{5280 \text{ ft}}} \times \frac{\cancel{1 \text{ ft}}}{\cancel{12 \text{ in}}} = 47,506,313 \text{ round Trips}$$

