Mathematics Problem of the Week

Problem number 265

Posted Monday October 19th 2015

Submit by noon, Monday October 26th 2015

Mr. Jones, the archeologist is trying to find the lost ark. He has been working his workers day and night. One morning he came across an annoyed worker who had a restless night.

"Good morning," Mr. Jones said.

"How deep is your hole? How much further are you going to dig?"

"Why don't you guess?" replied the worker. "My height is exactly five feet eight inches. I am going to dig the hole twice as deep as I have already dug. Then my head will be twice as far below ground as it is now above ground."

Determine how deep that hole would be when the worker is finished.