

Kwantlen Polytechnic University

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.



Submit your solution by

- \$ emailing it to MathProblem@kpu.ca
- \$ putting it in the MPOW box in the Math Assistance Centre on the Surrey campus (library, main floor)
- \$ putting it in the MPOW box in the Learning Centre on the Richmond campus (located in the library)
- \$ giving it to Lin Hammill (Surrey Fir 348) or Judy Bicep (Richmond 3335)

Be sure to include your name. In order to be eligible for the prize, KPU students should also include their student numbers. Winners names will be posted on the Problem of the Week web page. You can have the Problem of the Week emailed to you each week. Just go to the website and sign up.

Web site: <http://www.kpu.ca/mathematics-problem-week> .