

Kwantlen Polytechnic University

# Mathematics Problem of the Week

Problem number 264

Posted Monday October 12<sup>th</sup> 2015

Submit by noon, Monday October 19<sup>th</sup> 2015



At a cotton farm the pickers have plucked the cotton and placed them in 20 baskets in a row. The second basket was placed one meter after the first basket. The third basket was placed 3 meter after the second basket. The fourth basket was placed 5 meter after the third basket. So the distance between each subsequent basket was increased by 2 meters. After parking the delivery truck by the first basket the truck driver realized that he was out of gas and was unable to drive further. While waiting for the gas to arrive he decided to load the baskets in his truck, carrying only one at a time.

Determine how far the driver had to walk if he loaded all the baskets in his tuck.

Give your answer in both, meters and kilometers.

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Submit your solution by

- \$ emailing it to [MathProblem@kpu.ca](mailto: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> .