

Mathematics Problem of the Week

Problem Number: 288

Posted on Tues, Oct 24, 2016

Deadline: Monday, October 31, 2016 at noon

Hypnotherapist

Joseph, a hypnotherapist, goes to Bank of Canada to cash a bank draft. He hypnotizes the bank teller, Ava, so that she confuses the dollars and cents in the case that she gives him dollars instead of cents, and cents instead of dollars. For example, if the bank draft is \$2.10, Ava gives him \$10.02.

After leaving the bank, Joseph went home put the cash on table where there was 30 cents. Then he noticed that the sum of this 30 cents and the money Ava gave him, is exactly 4 times the amount of the original bank draft. What was the amount on the bank draft? ¹



¹For immediate assistance with this problem, email Asiyeh at asiyeh.sanaei@kpu.ca or Vicky at siqi.wei@kpu.ca.