



VCTM 2017 Math Beauty Contest Problem for Grades 9 – Algebra I

SOL: A.11

John got a check for some grass cutting he had done. When he went to the bank and cashed the check he got \$20 bills, \$10 bills, \$5 bills and \$1 bills. He got a total of 28 bills. He got $\frac{1}{4}$ as many \$10 bills as \$20 bills and $1\frac{1}{2}$ times as many \$5 bills as \$20 bills and $\frac{3}{4}$ as many \$1 bills as \$20 bills.

How many of each bill did he get?

What was the total amount of money he got?

We look forward to your entry. **Be sure to include a paragraph that fully explains your thinking and problem-solving strategies.**

Remember to attach two 3" X 5" index cards to your entry with your name, address, phone, E-mail (if you have one), school name, school address, school phone and grade level on them. Also write this information on your actual entry. **It must be postmarked by March 25, 2017.**

Mail your complete entry to:

Brenda Barrow
1311 E. Bayview Blvd
Norfolk, VA 23503

See the Official Rules for complete details.