



VCTM 2020 Math Beauty Contest Problem for Grades 6 – 8

SOL: 6.6, 6.14, 7.3, 7.13, 8.4, 8.17

John saved the money that he earned from cutting grass. He put it in a special container in his room. He decided to count it at the end of the summer to see how much he had earned. He had \$20 bills, \$10 bills and \$5 bills. He had 45 bills altogether. He had half as many \$10 bills as \$20 bills and 3 times as many \$5 bills as \$20 bills. When he finished counting the money he had \$400. He was really excited because he had enough money to buy a bike for his little sister and a bike for his little brother and a bike for himself and still have some money left to save. How many of each bill did he have?

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

To enter the contest, write the following on your entry **and** two 3" x 5" index cards:

- Your name and address
- Phone
- Grade Level
- Email (if available)
- School name and address
- School phone

Mail your entry and the two cards to:

Alfreda Jernigan
PO Box 10727
Norfolk, VA 23513

Entries must be postmarked by March 23, 2020.

See the official rules for more information. Contact Brenda Barrow at themathlady@cox.net or call (757) 617 - 0984 if you have questions. **Email is preferred. Please only use the phone number if you do not have access to email.**

Visit www.vctm.org for winners after April 30th.