



VCTM 2017 Math Beauty Contest Problem for Grades 6 – 8

SOL: 6.6, 6.18, 7.3, 7.4, 8.1, 8.2, 8.3

Mary's mom and dad always liked to give her the pennies, nickels, dimes and quarters that they had. Mary would put them in separate bags. She put pennies in one bag. She put nickels in another bag. She put dimes in another bag and quarters in another bag. One day Mary counted the coins. She counted 80 pennies. She counted 4 times as many nickels as pennies. She counted 3 times as many dimes as pennies. She counted $\frac{1}{2}$ as many quarters as pennies.

How many nickels, dimes, and quarters did she have?

What was the total number of coins that she had?

When she added up all the money how much money did she have?

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:

**Alfreda Jernigan
P.O. Box 10727
Norfolk, VA 23513**

See the Official Rules for complete details.