VIRGINIA COUNCIL OF TEACHERS OF MATHEMATICS

VCTM 2021 Math Beauty Contest Problem for Grades 6 – 8

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

Tom liked to draw and he wanted to design houses when he grew up. One day he drew a picture of the front of a house that had 3 floors. He used 3 different shapes for the windows. He used rectangles, triangles and pentagons. There were twice as many triangles as pentagons and twice as many rectangles as triangles and pentagons combined. There were a total of 18 windows on the front of the house. How many rectangles were there? How many pentagons were there? How many triangles were there?

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 May 7, 2021.

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/beauty for winners after May 28.