

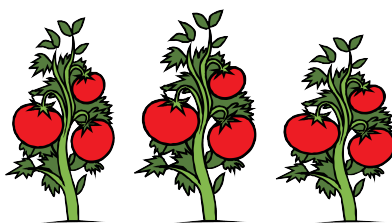


Problem of the Week

Problem C

Prime Tomatoes

Antoine has three tomato plants. The total number of tomatoes on all his plants is 41, and one of his plants has exactly 4 more tomatoes than another plant. If the number of tomatoes on each plant is a prime number, determine all possibilities for the number of tomatoes on each plant.



NOTE: A *prime number* is an integer greater than 1 that has only two positive factors: 1 and itself. The number 17 is prime because its only positive factors are 1 and 17.