

Problem of the Week

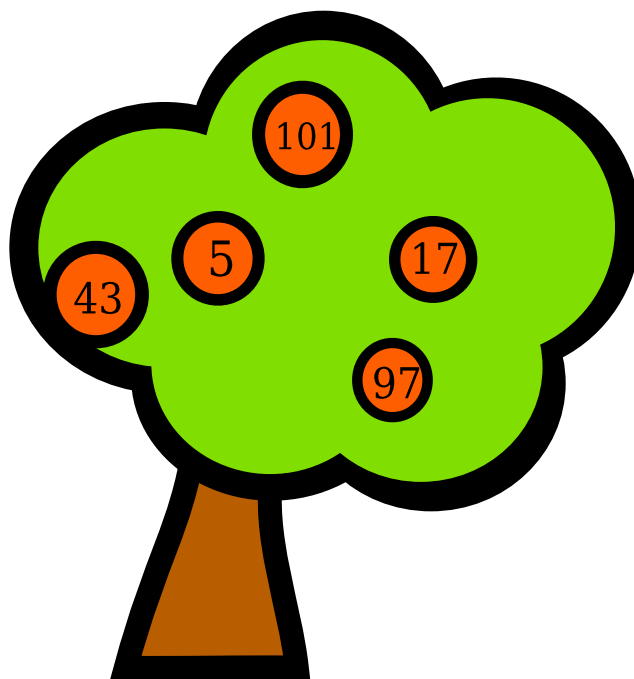
Problem C

Prime Picking

A natural number greater than 1 is said to be *prime* if its only factors are 1 and itself. For example, the number 7 is prime since its only factors are 1 and 7.

A *perfect square* is an integer created by multiplying an integer by itself. The number 25 is a perfect square since it is 5×5 or 5^2 .

Determine the smallest perfect square that has three different prime numbers as factors.



STRANDS NUMBER SENSE AND NUMERATION, PATTERNING AND ALGEBRA

