Write a Java program to find the ages of three children such that the square of the sum of the ages is the same as the product of the three ages. That is, for ages $a_0$, $a_1$, and $a_2$

$$(a_0 + a_1 + a_2)^2 = a_0 \times a_1 \times a_2$$

Display all possible unique combinations for ages below 20 (this excludes the same ages but in a different order). Finding the unique ages is the hard part! Hint: the “trick” with the tree program was choosing an appropriate ending point for the loops; for this program, think about finding an appropriate starting point for the loops.