

Question

The divisors are: 3, 5, 71, 77, 213, 385, 639, 1024.

First: $d_1 = 1024 \cdot 639 \cdot 385 = 251919360$.

Second: $d_2 = 512 \cdot 639 \cdot 385 = 125959680$.

Third: $d_3 = 1024 \cdot 639 \cdot 77 \cdot 3 = 151151616$.