



Problem of the Week

Problem C

Mystery Number

A positive integer has exactly eight positive divisors. If two of the divisors are 21 and 35, what is the number?



NOTE: For some integer n , a *divisor* of n is a non-zero integer that divides exactly into n leaving a remainder of 0.

For example:

3 is a divisor of 18 since, $18 \div 3 = 6$ remainder 0.

4 is not a divisor of 18, since $18 \div 4 = 4$ remainder 2.

