Princ Factorization

Princs: numbers with no divisors except land itself

7 2, 3, 4, 5, 6 7=ab

8=ab 25=a.b 1.8, 2.4, 4.2, 8.1 1.25, 5.5, 25.1

You only need numbers up to In

Q" Is I prime?

No, 1 is not prime or composite

Ex; Is 209 prine?

209 = 11.19

5209 - 14

2, 3, 5, 7, 11, 13

Ex: What's the smallest composite # that hos no prime factors < 107

121= (1.11

Prime factorization: 72 = 2.2.2.3 3 = 28.32

$$(cm(12, 30) = 60$$

Peti GCD - Greatest Common Divisor

$$g(d(12, 45) = 3$$

 $(2,3).50$ $20.32.51$ $20.31.50$

$$\frac{2^{1} \cdot 3^{0}}{9 \cdot 4(4,6)} \cdot 1 \cdot con(4,6) = \frac{2 \cdot 3^{0} \cdot 2^{1} \cdot 3^{1}}{1 \cdot 6}$$

5 (d (a b , b c) = (9 cd (a , b) 1 rm (o b , b c) = (1 cm (a , b) gcd(800, 1800) = 100.9cd(8,18) = 200