

Topics

GCD LCM

Prime

Divisors

"Everybody should learn to program a computer... because it teaches you how to think."

—Steve Jobs

Divisors: When one No. divides completly (Reminder should be Zero), then that No. is a divisors.

$$(12) = 1, 2, 4, 3, 6, 12$$

$$(15) = 1, 3, 5, 15$$

$$(8) = 1, 2, 4, 8$$

(heck:
$$(1....N)$$

 $N'(i=0) = (i=1,2,3...N)$

Prime No.

$$(8) = (1) 2 4 (8)$$
 $(6) = (1) 2 3 (6)$

$$(7) = 17$$

$$(11) = 1 \qquad 11$$

N = prime No. 7 Int N ciny N for (i= 1 ; i < N; i++) ? . if (N % i = =0) cnt++

if (cnt = =2) mime

else Not Prime

GCD: Greatest Common Divisor

- () 4() (12,8) = 4
- @ 4(0 (15,10) =5
- 3 400 (10,20) = 10
- (A) G(D(7,10) =)

4), 5, 6, 7, 8 9, 10

11,12

Made with Goodnotes

int A, B

cin
$$\gamma\gamma A \ \gamma\gamma B$$

int $0 = \min(A \cup B)$

for $(i = 1 \ i \ i \le \min(i + 1))$

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LCM: Least Common Multiple

40 B LCM X 8 4 24 12 10 20 ID X 20 4

10

Made with Goodnotes

2 × 10

$$\frac{(A \times B)}{4(D(AB))} = L(M(AB))$$

