```
1
```

$$793 = 6x125 + 43$$

$$125 = 2x43 + 39$$

$$43 = 1x39 + 4$$

$$39 = 9x4 + 3$$

$$4 = 1x3 + 1$$

$$3 = 1x3 + 0$$

$$Gcd(125, 793) = 1$$

В

$$1 = 1x4 - 1x3$$

$$1 = 1x4 - (39 - 9x4)$$

$$1 = 10x4 - 1x39$$

$$1 = 10x43 - 11x39$$

$$1 = 10x43 - 11x(125-2x43)$$

$$1 = 32x(793 - 6x125) - 11x125$$

$$1 = 32x793 - 192x125 - 11x125$$

$$1 = 32x793 - 203x125$$

$$M = -203$$

$$N = 32$$

$$GCD(a, b) * n = a$$

$$A * m = lcm(a, b)$$

$$GCD(a, b) *mn = lcm(a, b)$$

```
Mn = integer
```

В

$$d * m = b$$

3

$$= 2 * 3^3 * 5$$

В

Number of divisors = 2*4*2 = 16

- 1. 135
- 2. 27
- 3. 9
- 4. 3
- 5. 2
- 6. 5
- 7. 3
- 8. 1
- 9. 270
- 10. 6
- 11. 10
- 12. 18
- 13. 54
- 14. 15
- 15. 45
- 16. 90

С

$$225 = 3^2 * 5^2$$

$$Lcm(270, 225) = 2 * 3^3 * 5^2 = 1350$$