II-qism. Javoblar.

I.1-§.

1. 233. **2.** 1) $b = 7, \ 8$ va $r = 4, 1.$ 2) $b = 8, 9$ va $r = 2, 6.$

13. $n = 5q + 1$ va $n = 5q + 3, \ q = 0,1,2, \dots$. **23.** $S_n = \frac{7}{81} \cdot (10^{n+1} + 9n - 10).$

I.2-§.

27. 1)21. 2) 13. 3) 37. **28.** $a)21$ va 6300
$b)$ 23 va 2799997. **33.** ha. **35.** $a)d \ b)m.$ $c)1.$ $d) \ d.$ **36.** $a)1. \ b)1.$
$c)1.$ **39.** $2a)23.$ $2b)7.$ **41.** $(n, n + 1, n + 2) = 1; \ [n, n + 1, n + 2] =$
$n(n + 1)(n + 2),$ agarda n toq son bo'lsa va $[n, n + 1, n + 2] = \frac{1}{2}n(n + 1)(n + 2),$
agarda n juft son bo'lsa. **42.** nab ni $n - 1$ ta ko'rsatilgan ko'rinishda ifodalash
mumkin.

43. $(899, 493) = 29 = 899(-6) + 11 \cdot 49$ va $x = -6, y =$
$11.$ **45.** yo'q. **49.** $a)(30, 120), (60, 90), (90, 60), (120, 30).$ $b)x = 495, \ y =$
$315.$ $c)(20, 420), \ (60, 140), (140, 60), \ (420, 20).$ $d)(140, 252)0.$
$e)(10, 2), (2, 10)$ **53.** Berilgan son 19 ga bo'linadi.

I.3-§.

55. $N = p_1 - 2,$ bunda $p_1 -$ toq tub son. **58.** 1) $127 -$ tub son. 2)$919 -$ tub son.
3) $7429 = 17 \cdot 437 -$ murakkab son. **59.** 1)101,103,107,109 lar tub sonlar.
2)191, 193, 197, 199 lar tub sonlar. 3) 211.4) 2647, 2657, 2659, 2663, 2671,
2677. **61.** $21! + 2, \ 21! + 3, \ \dots , \ 21! + 20, \ 21! + 21.$ **62.** $n, n + 10, n + 14$ sonlar
bir vaqtda tub bo'ladigan n ning faqat 1 ta qiymati $n = 3$ mavjud. **63.** $p = 3$
qiymatida $2p^2 + 1 = 19 -$ tub son bo'ladi. **64.** $p = 5.$ **67.** $2^{18} + 3^{18} = 13 \cdot 61 \cdot$
$37 \cdot 73 \cdot 181.$