

## Even & Odd Patterns with LARGE Numbers

1.	Odd	Last digit is 3, so 12,483 is Odd
2.	Odd	Last digit is 7, so 1,847 is Odd
3.	Even	Last digit is 6, so 5,926 is Even
4.	Even	Last digit is 0, so 8,750 is Even
5.	Odd	Last digit is 1, so 23,491 is Odd
6.	A	1,642 is even, 3,891 is odd. Even × Odd = Even
7.	A	348 is even, 527 is odd. Even × Odd = Even
8.	В	9,263 is odd, 7,185 is odd. Odd × Odd = Odd
9.	В	825 is odd, 493 is odd. Odd $\times$ Odd = Odd
10.	A	5,777 is odd, 8,444 is even. Odd × Even = Even
11.	Yes, possible	246 (even) × 357 (odd) = even. Answer 87,842 is even. ✓
12.	Yes, possible	1,428 (even) × 2,650 (even) = even. Answer 3,784,200 is even. ✓
13.	No, impossible	9,999 (odd) × 7,777 (odd) must be odd. Answer 77,762,226 is even. X
14.	Yes, possible	835 (odd) × 729 (odd) = odd. Answer 608,715 is odd. ✓
15.	No, impossible	5,318 (even) × 4,927 (odd) must be even. Answer 26,202,087 is odd. X
16.	No, impossible	6,245 (odd) × 3,817 (odd) must be odd. Answer 23,836,564 is even. X
17.	No, impossible	847 (odd) × 926 (even) must be even. Answer 784,321 is odd. X
18.	В	576 (even) × 834 (even) must be Even
19.	С	8,624 (even) × 5,931 (odd) must be Even
20.	С	1,247 (odd) × 3,851 (odd) must be Odd