

Nuggets of Number Theory Errata (1st printing)

p. 10, line -1: (1.2), not (1.1).

p. 50, line 2 after FIGURE 3.12: Table 3.3, not Table 3.1.

p. 62, line 3: Delete the = sign immediately after \Leftrightarrow .

p. 80, Exercise 4.10, line 3: Area K , not k .

p. 124, line 2 after FIGURE 7.1: (1707-1783), not (1807-1783).

p. 125, lines 1-2 in the gray box are out of date and should be revised to read:

“As of 2019, 51 Mersenne primes are known, the largest $2^{82,589,933} - 1$ has 24,862,048 digits.”

p. 139, lines 4-7 in Solution 3.6 *Proof 1* are incorrect. They should read:

“Similarly solutions (x_n, y_n) to the Pell equation $x^2 - 3y^2 = 1$ in Table 3.5 with n a multiple of 3 yield the pairs $(3y_n^2, x_n^2)$ of consecutive powerful numbers, e.g., the solution $(26, 15)$ for $n = 3$ yields the pair $(675, 676)$.”