

University Interscholastic League - Number Sense Answer Key HS • SAC • Fall 2023

\*number)  $x - y$  means an integer between  $x$  and  $y$  inclusive

NOTE: If an answer is of the type like  $\frac{2}{3}$  it cannot be written as a repeating decimal

- |                       |                            |   |   |
|-----------------------|----------------------------|---|---|
| (1) 5,225             | (18) 100                   | (35) 47   | (58) 10                                   |
| (2) — 6,069           | (19) 108                   | (36) 26.45, $\frac{529}{20}$ , $26\frac{9}{20}$ | (59) 1                                    |
| (3) $\frac{1}{36}$    | *(20) 495,707 —<br>547,885 | (37) 7  | *(60) 352 — 388                           |
| (4) $\frac{3}{8}$     | (21) 621                   | (38) 5  | (61) 30                                   |
| (5) — 19              | (22) 1,728                 | (39) 121  | (62) 19                                   |
| (6) 529               | (23) 12,375,000            | *(40) 200 — 220                                 | (63) $\frac{23}{3}$ , $7\frac{2}{3}$      |
| (7) 3                 | (24) 3                     | (41) 0  | (64) 1.25, $\frac{5}{4}$ , $1\frac{1}{4}$ |
| (8) 2,023             | (25) $101\frac{1}{16}$     | (42) 420  | (65) — 3                                  |
| (9) 1                 | (26) 2.01                  | (43) 10   | (66) 15                                   |
| *(10) 4,658 — 5,148   | (27) 1.84                  | (44) 18   | (67) 9                                    |
| (11) 3.60             | (28) 2.21                  | (45) 3  | (68) .13                                  |
| (12) 84               | (29) 3233                  | (46) 92,416                                     | (69) .75, $\frac{3}{4}$                   |
| (13) 4,368            | *(30) 947 — 1,045          | (47) 7  | *(70) 2,874 — 3,176                       |
| (14) $17\frac{1}{19}$ | (31) 2,400                 | (48) — $\frac{4}{3}$ , — $1\frac{1}{3}$         | (71) — $\frac{11}{32}$                    |
| (15) — 25             | (32) 3                     | (49) 84   | (72) 216                                  |
| (16) 23               | (33) 529                   | *(50) 1,022 — 1,128                             | (73) 11                                   |
| (17) 104              | (34) 32                    | (51) 82   | (74) 0                                    |
|                       |                            | (52) 90   | (75) — $\frac{2}{3}$                      |
|                       |                            | (53) $\frac{2}{3}$                              | (76) 8                                    |
|                       |                            | (54) 1,071                                      | (77) 0                                    |
|                       |                            | (55) — 140                                      | (78) 50                                   |
|                       |                            | (56) $\frac{1}{12}$                             | (79) 3,757                                |
|                       |                            | (57) 808  | *(80) 3,664,283 —<br>4,049,995            |