

University Interscholastic League - Number Sense Answer Key HS • SAC • Fall 2024

\*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) 4,004                   | (18) 8,400                       | (34) 1,974                        | (59) 7                                   |
| (2) 575                     | (19) 18                          | (35) 576                          | *(60) 647 – 714                          |
| (3) .84375, $\frac{27}{32}$ | *(20) 283 – 312                  | (36) 94                           | (61) 42                                  |
| (4) $\frac{4}{5}$           | (21) $-.5, -\frac{1}{2}$         | (37) 4                            | (62) 15                                  |
| (5) – 8                     | (22) $\frac{5}{3}, 1\frac{2}{3}$ | (38) 24                           | (63) 24                                  |
| (6) 576                     | (23) 1,250,024                   | (39) 14                           | (64) 3                                   |
| (7) 0                       | (24) 3                           | *(40) 7,540 – 8,333               | (65) 9                                   |
| (8) 165                     | (25) $56\frac{6}{25}$            | (41) 4                            | (66) 1                                   |
| (9) 6                       | (26) 9.99                        | (42) 330                          | (67) 17,276                              |
| *(10) 54,492 – 60,228       | (27) 9.54                        | (43) – 1                          | (68) $\frac{211}{330}$                   |
| (11) $\frac{1}{8}$          | (28) 10.83                       | (44) 5,858                        | (69) 4                                   |
| (12) $5\frac{13}{20}$       | (29) 105                         | (45) 7,418                        | *(70) 3,439 – 3,800                      |
| (13) 9.60                   | *(30) 2,755 – 3,045              | (46) 3,121                        | (71) $-2.5, -\frac{5}{2}, -2\frac{1}{2}$ |
| (14) 135                    | (31) $1\frac{3}{20}$             | (47) 340                          | (72) 1                                   |
| (15) 10                     | (32) 8                           | (48) 414                          | (73) 18                                  |
| (16) 29                     | (33) 0                           | (49) 452                          | (74) 6                                   |
| (17) 9,682                  |                                  | *(50) 21,035 – 23,249             | (75) $1.5, \frac{3}{2}, 1\frac{1}{2}$    |
|                             |                                  | (51) 109                          | (76) $3.75, \frac{15}{4}, 3\frac{3}{4}$  |
|                             |                                  | (52) 1,072                        | (77) 106                                 |
|                             |                                  | (53) $\frac{16}{7}, 2\frac{2}{7}$ | (78) 25                                  |
|                             |                                  | (54) 343                          | (79) 24,288                              |
|                             |                                  | (55) 18                           | *(80) 311 – 342                          |
|                             |                                  | (56) 50                           |  |
|                             |                                  | (57) 81                           |  |
|                             |                                  | (58) 6                            |  |