

**DO NOT DISTRIBUTE TO STUDENTS BEFORE OR DURING THE CONTEST**

**University Interscholastic League - Number Sense Answer Key HS • District • 2021**

\*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) 5,991                                  | (18) 12              | (34) $-\frac{5}{21}$                        | (58) 219  |
| (2) 4                                      | (19) 2               | (35) $\frac{9}{22}$                         | (59) 12   |
| (3) 748                                    | *(20) 1,325 — 1,463  | (36) 3                                      | *(60) 240 — 264                                 |
| (4) $\frac{8}{9}$                          | (21) 3.24            | (37) 48                                     | (61) 6  |
| (5) — 21.43                                | (22) 75              | (38) — 4                                    | (62) 3  |
| (6) $31\frac{1}{4}$                        | (23) 41              | (39) — 469                                  | (63) 36   |
| (7) 529                                    | (24) 47              | *(40) 113,644 — 125,606                     | (64) 58,002                                     |
| (8) 20.5, $\frac{41}{2}$ , $20\frac{1}{2}$ | (25) 970             | (41) $\frac{7}{495}$                        | (65) $12\frac{4}{17}$                           |
| (9) $\frac{9}{11}$                         | (26) 64              | (42) — 4                                    | (66) $\frac{11}{328}$                           |
| *(10) 672 — 742                            | (27) 3,210           | (43) 8,489,664                              | (67) 16   |
| (11) 1,849                                 | (28) 3               | (44) 991,018                                | (68) $\frac{2}{3}$                              |
| (12) — 18                                  | (29) 3,025           | (45) 110                                    | (69) 0  |
| (13) 0                                     | *(30) 8,762 — 9,683  | (46) 65                                     | *(70) 1,305 — 1,441                             |
| (14) 48                                    | (31) 1,029           | (47) $5.25, \frac{21}{4}, 5\frac{1}{4}$     | (71) $-\frac{5}{4}$                             |
| (15) 2,179                                 | (32) $\frac{56}{45}$ | (48) 4                                      | (72) 3131                                       |
| (16) 2,916                                 | (33) 40              | (49) $121.5, \frac{243}{2}, 121\frac{1}{2}$ | (73) — .125, $-\frac{1}{8}$                     |
| (17) 56                                    |                      | *(50) 6,449 — 7,127                         | (74) — 6  |
|  |                      | (51) — 12                                   | (75) 5  |
|  |                      | (52) 200                                    | (76) $\frac{61}{36}, 1\frac{25}{36}$            |
|  |                      | (53) 1,801                                  | (77) 1122                                       |
|  |                      | (54) 3181                                   | (78) — 6  |
|  |                      | (55) $\frac{64}{3}, 21\frac{1}{3}$          | (79) — 1.1, $-\frac{11}{10}$ , $-1\frac{1}{10}$ |
|  |                      | (56) 52                                     | *(80) 16,416 — 18,144                           |
|  |                      | (57) 5                                      |   |