University Interscholastic League - Number Sense Answer Key HS • Invitation A • 2004

*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) 1010

(2) 16.16

(3) 24048

(4) $1\frac{7}{15}$

(5) 275

(6) 529

(7) 32

(8) 42

(9) $\frac{41}{2}$

*(10) 611 − 675

(11) 196

(12) −89

(13) 72

(14) .01375

(15) $-\frac{11}{30}$

(16) 51

(17) 320

(18) 52

(19) 5.76

*(20) 396 − 437

(21) 3906

(22) 21

(23) 4

(24) $\frac{17}{2}$ or $8\frac{1}{2}$ or 8.5

(25) 3.75

(26) $\frac{41}{99}$

(27) 143

(28) 385

(29) 505.05

*(30) 106856 − 118104

(31) 8

(32) $3\frac{1}{3}$ or $\frac{10}{3}$

(33) $29\frac{4}{25}$

(34) 40000

(35) $\frac{2}{3}$

(36) 9021

(37) 1

(38) $\frac{1}{2}$ or .5

(39) 103

*(40) 31006 − 34268

(41) 10010

(42) 540

(43) 32

(44) 625

(45) 13

(46) 720

(47) 499849

(48) −2

(49) 11100101

*(50) 384750 − 425250

(51) −5

(52) 1680

(53) $1\frac{1}{2}$ or $\frac{3}{2}$ or 1.5

(54) 4

(55) 24

(56) 10

(57) 0

(58) 2

(59) 5

*(60) 27133 − 29989

(61) 128

(62) 3

(63) 93636

(64) 5

(65) 800

(66) 18018

(67) .5 or $\frac{1}{2}$

(68) 5

(69) $-\frac{11}{414}$

*(70) 5,842,617 − 6,457,629

(71) 10

(72) 51

(73) $\frac{7}{6}$ or $1\frac{1}{6}$

(74) 24

(75) 40000

(76) $\frac{7}{29}$

(77) $11\frac{9}{14}$ or $\frac{163}{14}$

(78) $\frac{3}{2}$ or $1\frac{1}{2}$ or 1.5

(79) $\frac{15}{16}$

*(80) 7496 − 8284