Middle School Number Sense Exam 003, 6/9/2017

(1) $11 \times 153 =$ _____

(2) $6213 - 984 =$ _____

(3) $8 \times 2998 =$ _____

(4) $\frac{2}{9} + \frac{5}{6} =$ _____

(5) $30\% =$ _____ (decimal)

(6) $7.8 =$ _____ %

(7) $252 \div 6 =$ _____

(8) $2017 \times 17 =$ _____

(9) $12 \div .2 =$ _____

*(10) $8 + 18 + 28 - 38 + 48 + 58 + 68 =$ _____

(11) $1.8 =$ _____ %

(12) $125\% =$ _____ (mixed number)

(13) $5\frac{4}{5} =$ _____ %

(14) 3 gallon + 5 quarts = _____ quarts

(15) $8\frac{5}{7} \times 7 =$ _____

(16) $111 \times 413 =$ _____

(17) $95^2 =$ _____

(18) Which is larger: $\frac{5}{9}$ or $\frac{6}{11}$? _____

(19) $2.9 \times 10^{-3} =$ _____ (decimal)

*(20) $73 \times 472 =$ _____

(21) Which is smaller: .3 or $\frac{4}{13}$? _____

(22) 30% of 80 = _____

(23) $86\% =$ _____ (fraction)

(24) C − LI = _____ (Arabic Number)

(25) $208 \times 25 =$ _____

(26) $24 \times 16\frac{2}{3} =$ _____

(27) 28 cm − 160 mm = _____ mm

(28) $24 \times 3.5 =$ _____

(29) The remainder of $3510 \div 9$ is _____

*(30) $5397 \div 24 =$ _____

(31) If $a = 8, b = 9$ and $c = \frac{1}{3}$, then $\frac{a}{c} - bc =$ _____

(32) 65200 millimeters = _____ dekameters

(33) The product of the LCM and the GCF of 7 and 21 is _____

(34) The area of a rhombus with diagonals 13 cm and 20 cm is _____ sq. cm.

(35) $341 \times 111 =$ _____

(36) $2\frac{7}{13} \times 2\frac{6}{13} =$ _____ (mixed number)

(37) 109 nickels = \$ _____

(38) $\frac{2}{3} =$ _____ %

(39) If $a = 3, b = -3$, and $c = 3$, then $-ab^2 - c =$ ____

*(40) $142857 \times 26 =$ _____

(41) The mean of $97, 95, 99$, and 101 is _____

(42) $11 \times \frac{2}{3} =$ _____ (mixed number)

(43) $\{M, I, A, m, i\}$ has _____ subsets

(44) $121_3 =$ _____ 10

(45) $-9^2 =$ _____

(46) $7\frac{1}{3} \times 2\frac{1}{3} =$ _____ (mixed number)

(47) One acre = _____ square miles

(48) $2 + 4 + 6 + \ldots + 24 + 26 =$ _____

(49) The 9-th term in the sequence $7, 4, 1, \ldots$ is _____

*(50) $\pi^5 =$ _____

(51) $7^2 + 21^2 =$ _____

(52) The positive, geometric mean between 9 and 14 is _____

(53) $(69 \times 34) \div 3$ has a remainder of _____

(54) The slope of the line $3x + 2y = 18$ is _____

(55) $17 \times 34 =$ _____

(56) $\sqrt{784} =$ _____

(57) The slope of the line passing through $(2, 13)$ and $(-4, 7)$ is _____

(58) $6^2 + 12^2 =$ _____

(59) The probability of getting a number greater than 3 when rolling one die is _____

*(60) $\sqrt[3]{358000} =$ _____

(61) $52^2 + 15^2 =$ _____

(62) $17 \times 41 =$ _____

(63) 25°Celsius = _____ °Fahrenheit

(64) If $(2n - 7)^2 = 4n^2 + an + 49$, then $a =$ _____

(65) $\frac{8}{9} + \frac{9}{8} =$ _____ (mixed number)

(66) If $(n - 6)(n + 6) = n^2 + an - 36$, then $a =$ _____

(67) $47_{10} =$ _____ 3

(68) $3367 \times 42 =$ _____

(69) $5^3 \times 2^5 =$ _____

*(70) $\sqrt{146} \times \sqrt{220} =$ _____

(71) 7.5 miles per hour = _____ feet per second

(72) $\frac{\pi}{2}$ radians = _____ degrees

(73) If $\frac{1}{8} + \frac{1}{6} = \frac{1}{x}$, then $x =$ _____

(74) $2121_3 =$ _____ 9

(75) $5^5 \times 2^4 =$ _____

(76) The sum of the roots of $5x^2 + 10x - 1 = 0$ is ____

(77) $48 \times 52 =$ _____

(78) $13 \times 62 =$ _____

(79) $994 \times 998 =$ _____

*(80) $4.8^3 =$ _____