

Middle School Number Sense Exam 047, 10/19/2018

- (1) $28\% =$ _____ (fraction)
- (2) $0.96 =$ _____ (fraction)
- (3) $\frac{1}{5}$ of 19 = _____
- (4) $\frac{9}{20} =$ _____ %
- (5) $4.375 + 9 + 2\frac{5}{8} =$ _____
- (6) $\frac{39}{65}$ reduced to lowest terms is _____
- (7) $2017 \div 11$ has a remainder of _____
- (8) $2015 + 2017 + 2019 =$ _____
- (9) $2017 \div 11$ has a remainder of _____
- *(10) $47 + 17 + 67 + 97 + 37 + 57 + 77 =$ _____
- (11) $1942 =$ _____ (Roman Numeral)
- (12) $111 \times 406 =$ _____
- (13) $35 \times 42 =$ _____
- (14) $21^2 =$ _____
- (15) $25 \times 8 \times 14 =$ _____
- (16) $24\% =$ _____ (fraction)
- (17) $15 \times 34 =$ _____
- (18) $23^2 =$ _____
- (19) If $76000 = 7.6 \times 10^n$, then $n =$ _____
- *(20) $16712 + 43814 + 9211 - 4801 =$ _____
- (21) The reciprocal of 0.9 is _____ (mixed number)
- (22) If $x = -1$, then $\frac{5x}{2} + 3 =$ _____
- (23) The greatest common factor of 14 and 40 is _____
- (24) $-12 \div .5 + 5 =$ _____
- (25) $66\frac{2}{3} \times 51 =$ _____
- (26) $65^2 =$ _____
- (27) If $a = 7, b = 12$, and $c = -1$, then $b - ac =$ _____
- (28) $12 \times 8\frac{1}{3} =$ _____
- (29) The sum of the first 11 odd positive integers is _____
- *(30) $7253 \div 4.4 =$ _____
- (31) If 9 pens cost \$1.50, then 9 dozen pens cost \$ _____
- (32) If $f(x) = 3x^2 - 5x + 2$, then $f(4) =$ _____
- (33) The GCF of 45 and 51 is _____
- (34) If 14 markers cost \$3.50, then 14 dozen markers cost \$ _____
- (35) The additive inverse of -13 is _____
- (36) $7\frac{1}{3} \times 5\frac{1}{3} =$ _____ (mixed number)
- (37) If $f(x) = 4x^2 + 12x + 9$, then $f(9) =$ _____
- (38) $.93 \times 96 =$ _____ (decimal)
- (39) $87^2 - 13^2 =$ _____
- *(40) $\pi^8 =$ _____
- (41) The total purchase of a \$40.00 item, if sales tax is 6% is \$ _____
- (42) $\overline{.63} =$ _____ (fraction)
- (43) The product of the LCM and GCF of 9 and 16 is _____
- (44) $143 \times 91 =$ _____

- (45) $21 \times 143 =$ _____
- (46) $44_{10} =$ _____ ₅
- (47) The radius of a circle with circumference 13π cm is _____ cm
- (48) A regular decagon has an interior angle of measure _____ $^\circ$
- (49) $213_6 + 325_6 =$ _____ ₆
- *(50) $35 \times 17 \times 403 =$ _____
- (51) 3 cubic yards = _____ cubic feet
- (52) $\frac{7}{11} + \frac{11}{7} =$ _____ (mixed number)
- (53) The slope of the line passing through (9, 2) and (0, -1) is _____
- (54) 5% of 36 is 45% of _____
- (55) $74_8 =$ _____ ₁₀
- (56) $54 \times 32 =$ _____
- (57) $83 \div 7$ has a remainder of _____
- (58) The slope of the line passing through (-3, 9) and (1, 7) is _____
- (59) $.3\overline{6} =$ _____ (fraction)
- *(60) $17 \times 19 \times 21 =$ _____
- (61) If $f(x) = 4x - 17$, then $f(-8) =$ _____
- (62) $(14_9)^2 =$ _____ ₉
- (63) The total number of outcomes when rolling a pair of dice is _____
- (64) The smallest angle formed by the hands of a clock at 5:04 is _____ $^\circ$
- (65) 26% of 32 is 64% of _____
- (66) $1007 \times 1008 =$ _____
- (67) How many numbers less than 20 are relatively prime to 20? _____
- (68) If $\frac{a}{6}$ and $\frac{b}{6}$ each have a remainder of 5, then $\frac{ab}{6}$ has a remainder of _____
- (69) If $\sqrt{28}$ simplifies as $a\sqrt{b}$, then $b =$ _____
- *(70) $285714 \times 41 =$ _____
- (71) $0.45_6 =$ _____ ₁₀
- (72) $34_6 + 15_6 =$ _____ ₆
- (73) The discriminant of $x^2 + 7x - 8 = 0$ is _____
- (74) 2016 has how many distinct prime divisors? _____
- (75) $2 + 2 =$ _____
- (76) $56^2 + 55^2 =$ _____
- (77) The sum of the complement and the supplement of a 71° angle is _____ $^\circ$
- (78) $112 \times 107 =$ _____
- (79) $43_5 + 23_5 =$ _____ ₅
- *(80) $9.2^3 =$ _____