

Middle School Number Sense Exam 015, 8/30/2017

- (1) $\frac{18}{48}$ reduced to lowest terms is _____
- (2) $11 \times 23\frac{1}{2} =$ _____
- (3) $682 =$ _____ (Roman Numeral)
- (4) $7 + 7^2 =$ _____
- (5) $\frac{1}{2}$ of 25 = _____
- (6) $82 \times 101 =$ _____
- (7) $0.38 \times 101 =$ _____ (decimal)
- (8) $49021 \div 7 =$ _____
- (9) $\frac{1}{3}$ of 16 is _____
- *(10) $7462 + 891 + 16121 + 82 =$ _____
- (11) $32 \times 75 =$ _____
- (12) $52 - 4^2 \div 2 =$ _____
- (13) $3\frac{5}{9}\%$ = _____ (fraction)
- (14) $8 \times 7\frac{7}{8} =$ _____
- (15) $66\frac{2}{3} \times 45 =$ _____
- (16) $14 + 16 \div 2 \times 3 =$ _____
- (17) $\frac{48}{78}$ written in lowest terms is _____
- (18) $17^2 =$ _____
- (19) The mean of 16, 19, and 4 is _____
- *(20) $57 \times 147 =$ _____
- (21) $55 \div 1.25 =$ _____
- (22) $16\frac{2}{3} \times .6 =$ _____
- (23) $361 \times 7 + 361 \times 4 =$ _____
- (24) $125 \times 2.4 =$ _____
- (25) $2.4 \div .012 =$ _____
- (26) 40 centigrams + 7 decigrams = _____ mgs
- (27) 3 quarts = _____ cups
- (28) $\frac{12}{15} + \frac{4}{5} + 0.8 =$ _____
- (29) $16\frac{2}{3} \times 48 =$ _____
- *(30) $\frac{3}{7} \times 64821 \div 3 =$ _____
- (31) $7\frac{5}{8} \times 1\frac{5}{8} =$ _____ (mixed number)
- (32) The complement of a 52° angle is _____ $^\circ$
- (33) $109 \times 110 =$ _____
- (34) The additive inverse of 83 is _____
- (35) The complement of a 37° angle is _____ $^\circ$
- (36) The mean of 41, 17, 65, and 9 is _____
- (37) $26^2 =$ _____
- (38) $107 \times 109 =$ _____
- (39) 21 cu. in. = _____ gallons
- *(40) 82% of 4912 = _____
- (41) What % of 5 is 15? _____
- (42) If the area of a circle with diameter 70 ft. is $a\pi$ sq. ft., then $a =$ _____
- (43) $\frac{3}{8} + \frac{8}{3} =$ _____ (mixed number)
- (44) $\frac{2}{3}$ gallon = _____ cubic inch
- (45) $.\overline{18} =$ _____ (fraction)
- (46) $55_6 =$ _____ 10
- (47) $7\frac{2}{3} \times 2\frac{2}{3} =$ _____ (mixed number)

- (48) 3 cu. inches = _____ gallons
- (49) $11_3 =$ _____ $_{10}$
- *(50) $17 \times 18 \times 19 =$ _____
- (51) 40° Celsius = _____ $^\circ$ Fahrenheit
- (52) The slope of the line passing through $(-3, 2)$ and $(5, -2)$ is _____
- (53) The abscissa of the x -intercept of the line $4x + 2y = 24$ is _____
- (54) The slope of the line passing through $(-1, 12)$ and $(3, 4)$ is _____
- (55) The sum of the 4 angles of an isosceles trapezoid is _____ $^\circ$
- (56) The slope of the line passing through $(-4, 6)$ and $(4, 2)$ is _____
- (57) $3367 \times 9 =$ _____
- (58) $8^2 + 24^2 =$ _____
- (59) $3367 \times 27 =$ _____
- *(60) $\sqrt{21600} =$ _____
- (61) $333 \times 111 =$ _____
- (62) $5^8 \times 2^6 =$ _____
- (63) 18 is one and one half of _____
- (64) If $45^\circ = a\pi$ radians, then $a =$ _____
- (65) If $f(x) = 16 - \frac{3}{x}$, then $f\left(\frac{1}{3}\right) =$ _____
- (66) $66\frac{2}{3} \times 39 =$ _____
- (67) $101 \times 572 =$ _____
- (68) $7^2 + 49^2 =$ _____
- (69) 4 miles per hour = _____ feet per second
- *(70) $142857 \times 88 =$ _____
- (71) $49 \times 143 =$ _____
- (72) The difference between the supplement and the complement of an 18° angle is _____ $^\circ$
- (73) $2 \times 4 \times 0 \times 8 \times 10 =$ _____
- (74) $51_6 - 43_6 =$ _____ $_6$
- (75) $i^{241} =$ _____
- (76) $0.07_9 =$ _____ $_{10}$
- (77) The odds of randomly choosing a vowel from the word *TANGENT* is _____
- (78) If $\log_b 64 = 3$, then $b =$ _____
- (79) The total number of unique diagonals that can be drawn from a single vertex of a septagon is _____
- *(80) The surface area of a sphere with radius 13 in. is _____ sq. in.