

Middle School Number Sense Exam 038, 3/2/2018

- (1) $19 + 23 + 27 =$ _____
- (2) $\frac{2}{5} =$ _____ (decimal)
- (3) $(4 \times 1000) + (3 \times 10) + (5 \times 100) =$ _____
- (4) $11^2 =$ _____
- (5) $0.4758 =$ _____ %
- (6) $5628 \div 7 =$ _____
- (7) $\frac{1}{3}$ of 16 is _____
- (8) $101 \times 28 =$ _____
- (9) 25% of 17 is _____
- *(10) $918 - 2951 + 4368 =$ _____
- (11) $.34 \times 101 =$ _____
- (12) $4\frac{1}{2} - 2\frac{7}{8} =$ _____ (mixed number)
- (13) $73 \times 77 =$ _____
- (14) Which is larger: 0.7 or $\frac{5}{7}$? _____
- (15) $50 \times 638 =$ _____
- (16) $92 \times 50 =$ _____
- (17) $0.48 \times 25 =$ _____
- (18) $10\frac{5}{7} - 4\frac{6}{7} =$ _____
- (19) $24 \div 6 \times 8 \div 2 =$ _____
- *(20) $3333 \times 13 =$ _____
- (21) $66 \times 0.333\dots =$ _____
- (22) The number halfway between -7 and 25 is _____
- (23) $10\frac{1}{8} - 4\frac{1}{7} =$ _____ (mixed number)
- (24) $95 \times 89 =$ _____
- (25) The sum of the first 11 odd positive integers is _____
- (26) The LCM of 18 and 16 is _____
- (27) The remainder of $3510 \div 9$ is _____
- (28) The sum of the smallest 20 positive even integers is _____
- (29) $3.5 \times 18 =$ _____
- *(30) $2834 \div 31 =$ _____
- (31) $53 \times 23 =$ _____
- (32) $9\frac{2}{5} \times 6\frac{2}{5} =$ _____ (mixed number)
- (33) $11\frac{2}{7} \times 11\frac{5}{7} =$ _____ (mixed number)
- (34) The GCF of 144 and 112 is _____
- (35) Jose charges \$5 for 3 hot dogs. How much will a dozen hot dogs cost at this rate? \$ _____
- (36) If $\frac{1}{3}n - 6 = -9$, then $n =$ _____
- (37) If 2 cans costs \$0.86, then a dozen cans cost \$ _____
- (38) $22 \times 82 =$ _____
- (39) The LCM of 42 and 77 is _____
- *(40) $\sqrt{32185} =$ _____
- (41) The sum of the smallest 11 positive odd integers is _____
- (42) The probability of getting a sum of 6 when rolling a pair of dice is _____
- (43) $19_{10} =$ _____ ₅
- (44) $\sqrt{5329} =$ _____
- (45) If $f(x) = \frac{34}{x}$, then $f\left(\frac{1}{11}\right) =$ _____

- (46) 16 is 4% of _____
- (47) The 12-th triangular number is _____
- (48) $\sqrt{11\frac{1}{9}}$ = _____ (mixed number)
- (49) $1 + 2 + 3 + \dots + 31 =$ _____
- *(50) $13 \times 15 \times 17 =$ _____
- (51) 80 acres = _____ sq. miles
- (52) The 31st term of the sequence
4, 9, 14, 19, ... is _____
- (53) $993 \times 992 =$ _____
- (54) $62 \times 18 =$ _____
- (55) The area of a square with a diagonal 10 inches
is _____ sq. in.
- (56) In the geometric series: $\dots, x, 9, y, \dots$
find xy . _____
- (57) If $\sqrt{45}$ simplified is $a\sqrt{b}$, then $a =$ _____
- (58) $-30^2 =$ _____
- (59) The slope of the line $-y = 4x - 1$ is _____
- *(60) $\sqrt{15000} =$ _____
- (61) $6! =$ _____
- (62) 2 cubic yards = _____ cubic ft.
- (63) The probability of flipping 3 coins and getting all
heads is _____
- (64) The 16th term of the sequence
3, 7, 11, ... is _____
- (65) The difference between the supplement and the
complement of a 34° angle is _____ $^\circ$
- (66) If $5x^2 + 17 = 62$ and $x > 0$, then $x =$ _____
- (67) $997 \times 994 =$ _____
- (68) The surface area of cube with edge .5 is _____
- (69) The tenth triangular number is _____
- *(70) $5\frac{4}{7} \times 2\frac{11}{15} \times 9\frac{2}{13} =$ _____
- (71) If $60^\circ = a\pi$ radians, then $a =$ _____
- (72) $i^{112} =$ _____
- (73) $992 \times 995 =$ _____
- (74) The area of a square with diagonal 8 in.
is _____ sq. in.
- (75) $\sqrt{2\frac{14}{25}}$ = _____ (mixed number)
- (76) $52 \times 101 + 57 \times 101 =$ _____
- (77) 60 miles per hour = _____ feet per second
- (78) $i^{13} =$ _____
- (79) $\sqrt[3]{15\frac{5}{8}}$ = _____ (mixed number)
- *(80) $\pi^8 - \pi^4 =$ _____