

Middle School Number Sense Exam 018, 9/16/2017

- (1) $.2 =$ _____ %
- (2) $2\frac{1}{3} + 13 + 5.\bar{6} =$ _____
- (3) $7007 \times 11 =$ _____
- (4) $\frac{17}{25} =$ _____ %
- (5) $3214 \times .11 =$ _____ (decimal)
- (6) $0.15 + 0.26 + 0.09 =$ _____
- (7) $\frac{29}{50} =$ _____ %
- (8) $25^2 =$ _____
- (9) $6 \times 3996 =$ _____
- *(10) $36 + 82 + 55 + 91 + 30 + 12 =$ _____
- (11) $4\frac{1}{2} - 2\frac{7}{8} =$ _____ (mixed number)
- (12) $8 \times 12\frac{7}{8} =$ _____
- (13) Which is smaller: $\frac{8}{13}$ or $\frac{5}{8}$? _____
- (14) What is the smallest two digit number that has a remainder of 1 when divided 2, 3, and 4? _____
- (15) 280 Hectograms = _____ milligrams
- (16) $247206 \div 6 =$ _____
- (17) $19^2 =$ _____
- (18) $16\frac{2}{3} \times 30 =$ _____
- (19) $.0014 \times 10^7 =$ _____
- *(20) $6821 \div 46 =$ _____
- (21) $16 \times 96 =$ _____
- (22) The median of $-3, -8, -5, -1, 4,$ and -2 is _____
- (23) 84 hours = _____ days
- (24) $\frac{6}{10} + \frac{15}{25} + \frac{12}{20} - \frac{9}{15} =$ _____
- (25) $23 \times 21 - 17 \times 23 =$ _____
- (26) $45 \times 16 =$ _____
- (27) $-4 + (-3) \times (-5) =$ _____
- (28) 40% of 16000 is _____
- (29) $75 \times 44 =$ _____
- *(30) $\frac{3}{7} \times 64821 \div 3 =$ _____
- (31) The perimeters of an equilateral triangle of side 175 is _____
- (32) The complement of a 71° angle is _____ $^\circ$
- (33) The selling price of a \$320 item at 10% off is \$ _____
- (34) 80% of 15000 is _____
- (35) The radius of a circle with circumference 13π meters is _____ meters
- (36) $63_8 =$ _____ $_{10}$
- (37) $465 \times 111 =$ _____
- (38) 8 is _____ % of 24
- (39) The circumference of a circle with area 49π sq. cm. is _____ π cm.
- *(40) 32% of 75% of 499 is _____
- (41) $29 \times 16 - 16 \times 24 =$ _____
- (42) $\frac{5}{6} + \frac{6}{5} =$ _____ (mixed number)
- (43) $101 \times 462 =$ _____

- (44) The ordinate of $(-6, -4)$ after it is reflected over the x -axis is _____
- (45) The 7-th triangular number is _____
- (46) $\frac{9}{13} + \frac{13}{9} =$ _____ (mixed number)
- (47) $\frac{3}{8} + \frac{8}{3} =$ _____ (mixed number)
- (48) 1 gallon = _____ cu. inches
- (49) $20\frac{4}{5} \times 5\frac{4}{5} =$ _____ (mixed number)
- *(50) $\sqrt{73000} =$ _____
- (51) 130 has _____ unique prime factors
- (52) If $f(x) = -3x^2 + 2x + 4$, then $f(4) =$ _____
- (53) $2101_3 =$ _____ $_{10}$
- (54) $993 \times 999 =$ _____
- (55) $143 \times 91 =$ _____
- (56) The largest prime factor of 294 is _____
- (57) 10° Celcius = _____ $^\circ$ Fahrenheit
- (58) 99 = _____ (Roman Numeral)
- (59) If $4\sqrt{x} + 2 = 34$, then $x =$ _____
- *(60) $7\frac{2}{3} \times 1927 \div \frac{1}{8} =$ _____
- (61) $999 \times 99 =$ _____
- (62) The slope of the line $4x + 6y = 14$ is _____
- (63) $(a^3b^4c^4) \div (ab^2c^3) =$ _____
- (64) If $-\sqrt{63}$ simplifies as $a\sqrt{b}$, then $a =$ _____
- (65) $41 \times 72 =$ _____
- (66) $212_3 - 121_3 =$ _____ $_3$
- (67) $.272727\dots =$ _____ (fraction)
- (68) The distance between $(8, 5)$ and $(17, 17)$ is _____
- (69) $3367 \times 7.2 =$ _____ (decimal)
- *(70) $\sqrt[3]{7000} =$ _____
- (71) If $\sqrt[5]{x+2} - 4 = -2$, then $x =$ _____
- (72) $6^2 + 18^2 =$ _____
- (73) $5! =$ _____
- (74) $46^2 + 56^2 =$ _____
- (75) $107 \times 105 =$ _____
- (76) The smallest of three consecutive integers whose sum is 84 is _____
- (77) $7mboxi^{35} =$ _____
- (78) $\{B, E, A, R, S\}$ has _____ elements
- (79) $i^{48} =$ _____
- *(80) $3.7^4 =$ _____