

Middle School Number Sense Exam 004, 6/29/2017

- (1) $\frac{7}{20} =$ _____ %
- (2) $3 + 3^2 =$ _____
- (3) $16 \div .333\dots =$ _____
- (4) $1416 - 848 =$ _____
- (5) $2017 \times 17 =$ _____
- (6) $14\% =$ _____ (fraction)
- (7) $888 - 489 =$ _____
- (8) $.6 \times .71 =$ _____
- (9) $85\% =$ _____ (fraction)
- *(10) $874 + 362 + 639 + 44 =$ _____
- (11) $\frac{4}{5} + \frac{1}{3} =$ _____
- (12) $\frac{2}{5} + \frac{3}{4} =$ _____ (decimal)
- (13) $101 \times 73 =$ _____
- (14) 11.2 meters = _____ centimeters
- (15) $\frac{8}{11} + \frac{1}{3} =$ _____
- (16) How many digits are in 993^2 ? _____
- (17) $\frac{5}{4} + \frac{4}{5} =$ _____ (improper fraction)
- (18) $\frac{3}{7} \times \frac{2}{3} \div \frac{2}{5} =$ _____
- (19) $(7 \times 1) + (2 \times 10) + (5 \times 100) =$ _____
- *(20) $655 \times 87 =$ _____
- (21) A quadrilateral has _____ diagonals
- (22) $6\frac{2}{5}\% =$ _____ (fraction)
- (23) The perimeter of a square with side $\frac{7}{8}$ cm is _____ cms
- (24) $-8 + 5 - 15 =$ _____
- (25) If 10 pens cost \$5.90, then 4 pens cost \$ _____
- (26) $7\frac{1}{9} \times 7\frac{8}{9} =$ _____ (mixed number)
- (27) The LCM of 24 and 18 is _____
- (28) The range of $-4, -9, 7, 7, 12, -3,$ and 7 is _____
- (29) $97 \times 91 =$ _____
- *(30) $\sqrt{460000} =$ _____
- (31) 9.5 quarts = _____ gallons
- (32) $19\frac{3}{7} \times 19\frac{4}{7} =$ _____ (mixed number)
- (33) If $\frac{1}{3}n - 6 = -9$, then $n =$ _____
- (34) If the base of a triangle is 8 m. and its area is 32 m², then its height is _____ meters
- (35) The cost of driving 240 miles at $\$0.60$ per mile is \$ _____
- (36) $\frac{1}{3}$ sq. yd. = _____ sq. ft.
- (37) $74 \times 34 =$ _____
- (38) $36 \times 75 =$ _____
- (39) $125 \times 16 =$ _____
- *(40) $94 \times 96 \times 98 =$ _____
- (41) $51 \times 49 =$ _____
- (42) $111 \times 543 =$ _____
- (43) If the diameter of semicircle is 16 ft and its area is $a\pi$ sq. ft., then $a =$ _____
- (44) $8\frac{2}{5} \times 7\frac{2}{5} =$ _____ (mixed number)
- (45) $52^2 - 48^2 =$ _____
- (46) 10° Celsius = _____ $^\circ$ Fahrenheit

- (47) $\overline{.24} =$ _____ (fraction)
- (48) $15_{10} =$ _____ $_4$
- (49) The largest palindrome smaller than 271 is _____
- *(50) $\sqrt{15330} =$ _____
- (51) If $4\sqrt{x+3} = 20$, then $x =$ _____
- (52) If $x^2 - 2 = 11$ and $x > 0$, then $x =$ _____
- (53) $-30^2 =$ _____
- (54) $39 \times 41 =$ _____
- (55) 77 cubic inches = _____ gallons
- (56) $16 \times 81 - 16 \times 78 =$ _____
- (57) $-9 + 13 - 11 + 2 - 3^2 =$ _____
- (58) $3367 \times 39 =$ _____
- (59) $\sqrt{1\frac{7}{9}} =$ _____ (mixed number)
- *(60) $\pi^7 =$ _____
- (61) $\frac{7}{11} + \frac{11}{7} =$ _____ (mixed number)
- (62) 0.5π radians = _____ $^\circ$
- (63) $3367 \times 42 =$ _____
- (64) Find the slope of the line perpendicular to
 $3x + 5y = -3$. _____
- (65) $5^4 \times 2^6 =$ _____
- (66) 32° Fahrenheit = _____ $^\circ$ Celsius
- (67) $33 \times 14 =$ _____
- (68) $11! \div 9! =$ _____
- (69) $111111^2 =$ _____
- *(70) $\sqrt{146} \times \sqrt{220} =$ _____
- (71) $22_3 + 21_3 =$ _____ $_3$
- (72) $995 \times 997 =$ _____
- (73) If $\sqrt{50} + \sqrt{18} = a\sqrt{b}$, then $a =$ _____
- (74) $\sqrt[3]{27} =$ _____
- (75) If $\sqrt{98}$ simplified = $a\sqrt{b}$, then $a =$ _____
- (76) If $(a-7)(a+8) = a^2 + a + c$, then $c =$ _____
- (77) $74^2 + 33^2 =$ _____
- (78) The slope of the line passing through $(-4, 10)$ and
 $(0, -6)$ is _____
- (79) If $\sqrt{8} + \sqrt{98} = a\sqrt{b}$, then $a =$ _____
- *(80) $15842 \div 23 =$ _____