

Middle School Number Sense Exam 014, 8/25/2017

- (1) $32 \times 12.5 =$ _____
- (2) $10.4 \div 0.13 =$ _____
- (3) $11 \times 6464 =$ _____
- (4) $1.3 + 3.1 + 1.3 + 3.3 =$ _____
- (5) $98\% =$ _____ (fraction)
- (6) $5672 \div 8 =$ _____
- (7) $125 \times 0.08 =$ _____
- (8) $18.3 \times 11 =$ _____ (decimal)
- (9) $38\% =$ _____ (fraction)
- *(10) $5555 \div 18 =$ _____
- (11) $\$8.90 =$ _____ dimes
- (12) $66\frac{2}{3} \times 24 =$ _____
- (13) $\frac{8}{15} - \frac{1}{5} =$ _____
- (14) $4.5 \times 8 =$ _____
- (15) $0.48 \times 25 =$ _____
- (16) $13 - 2 \times 3 + 7 =$ _____
- (17) $17^2 =$ _____
- (18) $29 \times 50 =$ _____
- (19) $8.52 \div 0.4 =$ _____
- *(20) $264 \times 78 =$ _____
- (21) $15 - 17 \div 5 - 8 \div 5 =$ _____
- (22) 145 liters = _____ centiliters
- (23) The additive inverse of $-\frac{1}{12}$ is _____
- (24) $22 - (-6)(4) =$ _____
- (25) $23 \times 7 + 17 \times 7 =$ _____
- (26) $-16 - (-8) =$ _____
- (27) $64 \times 18 - 61 \times 18 =$ _____
- (28) $28 \text{ cm} - 160 \text{ mm} =$ _____ mm
- (29) $3\frac{2}{5} - 1\frac{5}{6} =$ _____ (mixed number)
- *(30) $4891 \div 17 =$ _____
- (31) $42 \times 9 - 4 \times 42 =$ _____
- (32) $12\frac{1}{2} \times 1.6 =$ _____
- (33) The cost of driving 275 miles at \$0.40 per mile is \$ _____
- (34) $12\frac{1}{2} \times 104 =$ _____
- (35) If $4x + 8 = 2x + 46$, then $x =$ _____
- (36) $143 \times 63 =$ _____
- (37) $88 \times 97 =$ _____
- (38) $12\frac{3}{4} \times 4\frac{3}{4} =$ _____ (mixed number)
- (39) If $4x + 8 = 2x + 46$, then $x =$ _____
- *(40) $8\frac{5}{8} \times 5\frac{2}{3} \times 2\frac{1}{4} =$ _____
- (41) $(66 \times 38) \div 4$ has a remainder of _____
- (42) $\frac{1}{2}$ gallon = _____ cu. inches
- (43) $.09 =$ _____ fraction
- (44) 2.4 hours = _____ minutes
- (45) If the area of a circle with radius 5 yds. is $a\pi$ sq. yds., then $a =$ _____
- (46) $28 \times 32 =$ _____
- (47) The product of the GCF and the LCM of 16 and 8 is _____

- (48) 68 has _____ unique prime factors
- (49) $\sqrt{1369} =$ _____
- *(50) $55 \times 142857 =$ _____
- (51) If $\sqrt{162}$ simplifies as $a\sqrt{b}$, then $a =$ _____
- (52) $\frac{9}{5} + \frac{5}{9} =$ _____ (mixed number)
- (53) The simple interest on \$800 at 6% interest for 2 years is \$ _____
- (54) -25° Celsius = _____ $^\circ$ Fahrenheit
- (55) $74^2 - 64^2 =$ _____
- (56) The positive geometric mean between 16 and 4 is _____
- (57) The slope of the line passing through $(0, -6)$ and $(-7, 8)$ is _____
- (58) $\sqrt{1\frac{9}{16}} =$ _____ (mixed number)
- (59) 50° Celsius = _____ $^\circ$ Fahrenheit
- *(60) $\sqrt[3]{29000} =$ _____
- (61) If $-\sqrt{125}$ simplifies as $a\sqrt{b}$, then $a =$ _____
- (62) The probability of drawing an ace from a standard deck of playing cards is _____
- (63) The slope of the line $-4x - y = -16$ is _____
- (64) $.3\overline{0} =$ _____ (fraction)
- (65) $991 \times 992 =$ _____
- (66) $\sqrt{3249} =$ _____
- (67) $17 \times 34 =$ _____
- (68) If $26_b = 20_{10}$, then $b =$ _____
- (69) 693 cu. in. = _____ gallons
- *(70) $\sqrt[3]{170000} =$ _____
- (71) If $\log_{16} x = \frac{3}{4}$, then $x =$ _____
- (72) $12_4 + 3_4 + 2_4 =$ _____ 4
- (73) $0.54_8 =$ _____ 10
- (74) $33_6 + 54_6 =$ _____ 6
- (75) The product of the roots of $x^2 - 25 = 0$ is _____
- (76) $i^{13} =$ _____
- (77) The difference between the supplement and the complement of a 68° angle is _____ $^\circ$
- (78) $\frac{1}{12} + \frac{1}{20} + \frac{1}{30} =$ _____
- (79) If $\log_5 x = 0$, then $x =$ _____
- *(80) $17 \times 19 \times 21 =$ _____