

Middle School Number Sense Exam 034, 1/26/2018

- (1) $13^2 =$ _____
- (2) $\frac{3}{5} \times 65 =$ _____
- (3) $44 \times 50 =$ _____
- (4) $153 \div 9 =$ _____
- (5) $30\% =$ _____ (decimal)
- (6) $9 \times 43 =$ _____
- (7) $124 \times 25 =$ _____
- (8) $64 \times 25 =$ _____
- (9) $2.3 =$ _____ %
- *(10) $2016 + 2017 + 2018 + 3974 =$ _____
- (11) $34 \times 52 + 34 \times 18 =$ _____
- (12) $11 \times 6721 =$ _____
- (13) $86 \times 26 =$ _____
- (14) Which is greater: 0.8 or $\frac{7}{9}$? _____
- (15) $69 \times 61 =$ _____
- (16) $2400 = 24 \times 32 + 24 \times 29 + 24 \times$ _____
- (17) 0.6 Dekaliters + 50 deciliters = _____ liters
- (18) $66 - 48 \div 3 \div 2 =$ _____
- (19) $516 \times 111 =$ _____
- *(20) $\frac{3}{7} \times 37761 =$ _____
- (21) $1561 \div 9$ has a remainder of _____
- (22) $4! + 5! =$ _____
- (23) $\sqrt{5\frac{1}{16}} =$ _____ (mixed number)
- (24) 2400 centigrams = _____ Hectograms
- (25) $66\frac{2}{3} \times 33 =$ _____
- (26) $7 - 14 \div 4 - 18 \div 4 =$ _____
- (27) 37.5% of 80 is _____
- (28) $5\frac{3}{5} \times 5\frac{2}{5} =$ _____ (mixed number)
- (29) $51 \times 49 =$ _____
- *(30) 63.1% of 9810 is _____
- (31) The area of a circle with diameter 400 in.
is _____ π sq. in.
- (32) 0.00003 Kilograms = _____ milligrams
- (33) $2 + 4 + 6 + \dots + 16 + 18 =$ _____
- (34) $\sqrt{1\frac{11}{25}} =$ _____ (mixed number)
- (35) $2\frac{11}{13} \times 2\frac{2}{13} =$ _____ (mixed number)
- (36) The angle that forms a linear pair with a 48°
is _____ $^\circ$
- (37) The supplement of a 73° angle is _____ $^\circ$
- (38) $18^2 - 12^2 =$ _____
- (39) 5 sq. ft. = _____ sq. in.
- *(40) $2\frac{7}{9} \times 682 \times 9 =$ _____
- (41) 15 miles per hour = _____ feet per second
- (42) How many subsets does $\{b, r, y, a, n\}$ have that
contain only 3 elements? _____
- (43) The x -intercept of $3x - 18 = 5y$ is $(q, 0)$,
then $q =$ _____
- (44) $-14^2 =$ _____
- (45) $\sqrt[4]{81} =$ _____
- (46) $15 \times \frac{4}{7} =$ _____ (mixed number)

- (47) 14% of 22 is 2% of _____
- (48) The 11th term of the arithmetic sequence
14, 23, 32, 41, ... is _____
- (49) How many 3-element subsets does
 $\{b, e, n, j, a, m, i\}$ have? _____
- *(50) $4\pi^3 =$ _____
- (51) $\sqrt{2\frac{7}{9}} =$ _____ (mixed number)
- (52) If the area of a circle with circumference 18π cm²
is $k\pi$ cm², then $k =$ _____
- (53) 43% of 50 + 19% of 50 = _____
- (54) The slope of the line $-y = 4x - 1$ is _____
- (55) If $\sqrt{45}$ simplified is $a\sqrt{b}$, then $a =$ _____
- (56) If $\frac{6\sqrt{x}}{7} = 12$, then $x =$ _____
- (57) $221_5 =$ _____ 10
- (58) $213_5 =$ _____ 10
- (59) 2 ft. \times 27 ft. \times 5 ft. = _____ sq. yards
- *(60) $\sqrt{60000} =$ _____
- (61) The slope of the line passing through
(2, -8) and (-1, 7) is _____
- (62) $1012 \times 1012 =$ _____
- (63) The slope of the line $y = x + 8$ is _____
- (64) $4! - 0! =$ _____
- (65) The positive geometric mean of 18 and 2 is _____
- (66) $\frac{17}{15} \times 17 =$ _____ (mixed number)
- (67) $12! \div 9! =$ _____
- (68) If $35_b = 29_{10}$, then $b =$ _____
- (69) $38^2 + 77^2 =$ _____
- *(70) Find the area of an equilateral triangle with side
length 40. _____
- (71) $2^3 \times 5^5 =$ _____
- (72) $23 \times 54 =$ _____
- (73) $8^2 + 24^2 =$ _____
- (74) $5\frac{1}{3} \times 6\frac{1}{5} =$ _____ (mixed number)
- (75) The distance between (-7, 7) and (8, 27) is _____
- (76) What is the probability of obtaining a sum less
than 5 when rolling two 6-sided die? _____
- (77) $\frac{7}{11} + \frac{11}{7} =$ _____ (mixed number)
- (78) $11! \div 8! =$ _____
- (79) 1.5π radians = _____ $^\circ$
- *(80) $\sqrt{280} \times \sqrt{37} =$ _____