

CONTESTANT ID #: _____

Place Contestant ID Label HERE
AFTER Test has been Scored.

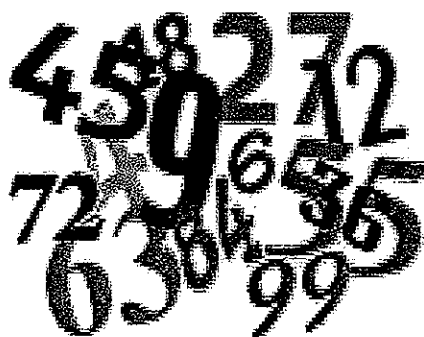
GRADE LEVEL: _____



Number Sense

DISTRICT Contest

Grades 4/5



2017

Grader #1 Score: _____

Grader #2 Score: _____

Grader #3 Score: _____

FINAL SCORE: _____

(Please do not open test until the signal is given to begin.)

1. $36 + 48 =$ _____
2. $99 - 53 =$ _____
3. $2017 + 444 =$ _____
4. $(5 \times 100) + (7 \times 1) =$ _____
5. Round 8375 to the nearest hundred's place. _____
6. $7 + 8 + 9 + 10 + 11 =$ _____
7. $3 \times 4 \times 9 =$ _____
8. $200 \times 50 =$ _____
9. $168 \div 4 =$ _____
- * 10. $317 + 1109 + 2257 =$ _____
11. LXXIV = _____ (Arabic numerals)
12. $11 \times 26 =$ _____
13. $5320 \div 3$ has a remainder of _____
14. Find the sum of 20, 24, and 32. _____
15. $50 - 10 + 60 - 10 + 70 - 10 =$ _____
16. One-sixth of 12 is _____
17. How many even numbers are there between 13 and 37? _____
18. $21 \times 25 =$ _____
19. Find the sum of the digits in the tenth's and thousandth's places of 7530.2861. _____
- * 20. $891 \times 608 =$ _____
21. Which is smaller: $\frac{2}{9}$ or $\frac{5}{21}$? _____
22. $87 \times 93 =$ _____
23. $17 + 4 \times 3 =$ _____
24. $0.75 =$ _____ (fraction)
25. $\frac{17}{18} - \frac{11}{18} =$ _____
26. The LCM of 24 and 18 is _____
27. 9 feet = _____ inches
28. $5.28 + 3.77 =$ _____ (decimal)
29. If n is to 18 as 35 is to 42, what is n ? _____
- * 30. $123145 \div 307 =$ _____
31. $8.4 - 1.28 =$ _____ (decimal)
32. 0.6 liters = _____ milliliters
33. If 9 donuts cost \$3.60, then one dozen donuts cost \$ _____
34. $1.2 \times 0.5 =$ _____ (decimal)
35. $15 \times 3 - 4 \times 11 =$ _____
36. 32 quarters + 14 dimes = \$ _____
37. $\frac{13}{25} =$ _____ (decimal)
38. Jordan is eight years older than Kylie. If Kylie turns eighteen in two years, how old is Jordan now? _____
39. $(7 + 18 \times 21) \div 5$ has a remainder of _____
- * 40. $37 \times 222 =$ _____
41. $\sqrt{289} =$ _____
42. $\frac{39}{8} =$ _____ (mixed number)

43. If $n = 7$, then $n^2 + 6n + 9 =$ _____
44. $75 \times 16 =$ _____
45. The perimeter of a rectangle whose length is 14 cm and width is 9 cm is _____ cm
46. The next term in the sequence 5, 9, 13, 17, 21, ... is _____
47. $96 \times 97 =$ _____
48. $3\frac{1}{2} + 4\frac{1}{6} =$ _____ (mixed number)
49. 20% of 75 is _____
- * 50. $14\frac{1}{2} \times \pi^4 =$ _____
51. The legs of a right triangle are 5 and 12. Find its hypotenuse. _____
52. $5\frac{1}{4} \times 3\frac{1}{4} =$ _____ (mixed number)
53. Let $A = \{1, 5, 7, 9\}$ and $B = \{2, 3, 5, 6\}$. How many elements are in the set $A \cap B$? _____
54. $71^2 - 29^2 =$ _____
55. Find the area of the triangle whose height is 16 and base is 12. _____
56. $(65 + 39 + 143) \div 13 =$ _____
57. The product of the GCD and LCM of 12 and 34 is _____
58. 8 cups = _____ ounces
59. The perimeter of a square is 84 inches. What is the area? _____ square inches
- * 60. $\sqrt{624 \times 929} =$ _____
61. How many sides does a nonagon have? _____
62. $13 - 29 =$ _____
63. $101 \times 841 =$ _____
64. What percent of 20 is 17? _____ %
65. $5^9 \div 5^7 =$ _____
66. $1\frac{1}{5} + 2\frac{2}{5} + 3\frac{3}{5} + 4\frac{4}{5} =$ _____
67. $6 \times$ _____ = 2
68. $33_{10} =$ _____₇
69. If $5x - 4 = 2x + 5$, then $x =$ _____
- * 70. $7 \div 0.015 =$ _____
71. $2 \times 3 - 4 \times 5 =$ _____
72. $48^2 =$ _____
73. The sum of the interior angles of a regular hexagon measures _____ degrees
74. The tax rate is 4%. Find the total cost after tax of a book that costs \$25.00. \$ _____
75. If $3q - 4 \geq 17$, then $q \geq$ _____
76. The area of a rhombus is 36 cm^2 . The diagonals of the rhombus are 9 cm and _____ cm
77. A card is dealt from a standard deck of 52 cards. Find the probability of dealing a red King. _____
78. 1 square foot = _____ square inches
79. A car travels at 55 mph. How far does it go in 1 hour 24 minutes? _____ miles
- * 80. $8 \times 18 \times 28 \div 38 =$ _____

For each estimation problem, the exact value (rounded to two decimal places) appears in square brackets.

- | | | | |
|-----------------------------------|-----------------------------|--------------------------------|-----------------------------|
| (1) 84 | (22) 8091 | (43) 100 | (62) -16 |
| (2) 46 | (23) 29 | (44) 1200 | (63) 84941 |
| (3) 2461 | (24) $\frac{3}{4}$ | (45) 46 | (64) 85 |
| (4) 507 | (25) $\frac{1}{3}$ | (46) 25 | (65) 25 |
| (5) 8400 | (26) 72 | (47) 9312 | (66) 12 |
| (6) 45 | (27) 108 | (48) $7\frac{2}{3}$ | (67) $\frac{1}{3}$ |
| (7) 108 | (28) 9.05 | (49) 15 | (68) 45 |
| (8) 10000 | (29) 15 | *(50) 1342 – 1483
[1412.43] | (69) 3 |
| (9) 42 | *(30) 382 – 421
[401.12] | (51) 13 | *(70) 444 – 490
[466.67] |
| *(10) 3499 – 3867
[3683] | (31) 7.12 | (52) $17\frac{1}{16}$ | (71) -14 |
| (11) 74 | (32) 600 | (53) 1 | (72) 2304 |
| (12) 286 | (33) 4.80 | (54) 4200 | (73) 720 |
| (13) 1 | (34) .6 | (55) 96 | (74) 26.00 |
| (14) 76 | (35) 1 | (56) 19 | (75) 7 |
| (15) 150 | (36) 9.40 | (57) 408 | (76) 8 |
| (16) 2 | (37) .52 | (58) 64 | (77) $\frac{1}{26}$ |
| (17) 12 | (38) 24 | (59) 441 | (78) 144 |
| (18) 525 | (39) 0 | *(60) 724 – 799
[761.38] | (79) 77 |
| (19) 8 | *(40) 7804 – 8624
[8214] | (61) 9 | *(80) 101 – 111
[106.11] |
| *(20) 514642 – 568814
[541728] | (41) 17 | | |
| (21) $\frac{2}{9}$ | (42) $4\frac{7}{8}$ | | |