

CONTESTANT ID #: _____

GRADE LEVEL : _____

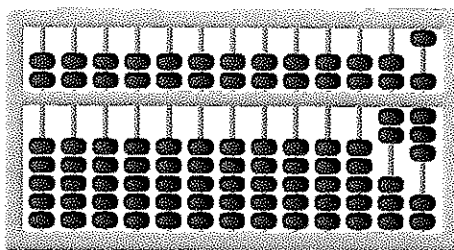
*Place Contestant ID label here
AFTER grading*



Number Sense

District Contest

Grades 2-3



2023

Grader #1 Score: _____

Grader #2 Score: _____

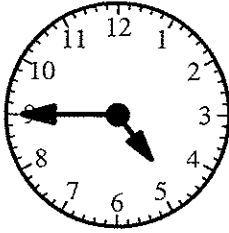
Grader #3 Score: _____

FINAL SCORE: _____

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

1. $2 + 5 =$ _____
2. $11 - 7 =$ _____
3. $9 + 4 =$ _____
4. $15 - 12 =$ _____
5. Write the number **thirteen**. _____
6. $23 + 36 =$ _____
7. $40 - 17 =$ _____
8. $7 + 6 + 5 =$ _____
9. 4 nickels = _____ ¢
- * 10. $150 + 67 + 497 =$ _____
11. $84 - 35 =$ _____
12. $61 + 7 + 18 =$ _____
13. Find the sum of 34 and 18. _____
14. What number is in the ten's place of 586?

15. $30 + 40 + 50 + 60 =$ _____
16. What number makes the equation true?
 $41 + \square = 64$ _____
17. $100 - 13 =$ _____
18. How many sides does a rectangle have? _____
19. $7 \times 4 =$ _____
- * 20. $3810 - 2476 + 1889 =$ _____
21. $15 \times 1 =$ _____
22. 36 inches = _____ feet
23. $437 - 261 =$ _____
24. $13 + 13 + 13 = 13 \times$ _____
25. Makayla had 300 cards and gave 175 to Liz. How many does Makayla have left? _____
26. Round 8476 to the nearest hundred's place.

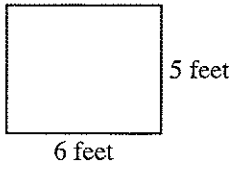
27. $2 \times 2 \times 3 =$ _____
28. What time is shown on the clock?
 _____
29. $18 \div 2 =$ _____
- * 30. $583 + 613 + 997 + 803 =$ _____
31. Write the numeral: **three thousand, fifty-six**

32. $401 - 333 =$ _____
33. What number is halfway between 8 and 14?

34. Bob made six shots in basketball. Each shot is worth two points. How many points did Bob score? _____
35. $27 \times 3 =$ _____
36. $84 \div 4 =$ _____
37. $587 + 204 + 301 =$ _____
38. 1 gallon = _____ quarts
39. The next number in the pattern 3, 6, 9, 12, . . . , is

- * 40. $61 \times 61 =$ _____

PSIA — Number Sense – 2023 – Grades 2-3

41. $43 \times 11 =$ _____
42. Simplify $\frac{9}{12}$ to lowest terms. _____ (fraction)
43. 8 dimes + 1 quarter = \$ _____
44. What is the perimeter of a triangle with sides 4 inches, 5 inches, and 7 inches?
_____ inches
45. $600 \div 20 =$ _____
46. Write the fraction **three-eighths** _____
47. $2 + 3 + 4 + 5 + 6 =$ _____
48. $34 \times 50 =$ _____
49. $5.9 + 4.8 =$ _____ (decimal)
- * 50. $42314 \div 704 =$ _____
51. What is the area of a square whose sides measure 5 inches? _____ square inches
52. $31 \times 73 = 73 \times$ _____
53. $54.8 - 32.5 =$ _____ (decimal)
54. What number goes in the box to make the equation true? $13 \times \square = 52$ _____
55. Which is larger: $\frac{1}{2}$ or $\frac{3}{8}$? _____
56. $12 \times 25 =$ _____
57. What is the perimeter of the rectangle?


6 feet _____ feet
58. $67 \times 9 =$ _____
59. $31 \times 29 =$ _____
- * 60. $58314 \div 11 =$ _____
61. $1.7 \times 0.8 =$ _____ (decimal)
62. Write the Roman numeral **XXIII** in Arabic numerals. _____
63. $31 + 4 \times 2 =$ _____
64. $17^2 =$ _____
65. $\frac{11}{12} - \frac{1}{12} =$ _____ (fraction)
66. $7200 \div 120 =$ _____
67. What digit is in the hundredth's place of 576.489? _____
68. $44 \times 36 = 22 \times$ _____
69. Which of these numbers is prime: **31, 33, or 35**

- * 70. $524 \times 526 =$ _____
71. $13^2 - 11^2 =$ _____
72. $72 \times 78 =$ _____
73. 50% of 36 is _____
74. $18 \times 15 \div 9 =$ _____
75. $(7 \times 100) + (6 \times 1) =$ _____
76. 9 kilometers = _____ meters
77. What is the largest 3-digit number with exactly one "9" in it? _____
78. $7.5 + 6.5 + 5.5 + 4.5 =$ _____
79. If 2 apples cost \$1.02, then 8 apples cost \$ _____
- * 80. $13 \times 14 \times 15 =$ _____

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

- | | | | |
|-----------------------------|-----------------------------|-------------------------|-----------------------------------|
| (1) 7 | (24) 3 | (41) 473 | *(60) 5037 – 5566
[5301.27] |
| (2) 4 | (25) 125 | (42) $\frac{3}{4}$ | (61) 1.36 |
| (3) 13 | (26) 8500 | (43) 1.05 | (62) 23 |
| (4) 3 | (27) 12 | (44) 16 | (63) 39 |
| (5) 13 | (28) 4:45 | (45) 30 | (64) 289 |
| (6) 59 | (29) 9 | (46) $\frac{3}{8}$ | (65) $\frac{5}{6}$ |
| (7) 23 | *(30) 2847 – 3145
[2996] | (47) 20 | (66) 60 |
| (8) 18 | | (48) 1700 | (67) 8 |
| (9) 20 | | (49) 10.7 | (68) 72 |
| *(10) 679 – 749
[714] | (31) 3056 | (50) 58 – 63
[60.11] | (69) 31 |
| (11) 49 | (32) 68 | (51) 25 | *(70) 261843 – 289405
[275624] |
| (12) 86 | (33) 11 | (52) 31 | (71) 48 |
| (13) 52 | (34) 12 | (53) 22.3 | (72) 5616 |
| (14) 8 | (35) 81 | (54) 4 | (73) 18 |
| (15) 180 | (36) 21 | (55) $\frac{1}{2}$; .5 | (74) 30 |
| (16) 23 | (37) 1092 | (56) 300 | (75) 706 |
| (17) 87 | (38) 4 | (57) 22 | (76) 9000 |
| (18) 4 | (39) 15 | (58) 603 | (77) 988 |
| (19) 28 | *(40) 3535 – 3907
[3721] | (59) 899 | (78) 24 |
| *(20) 3062 – 3384
[3223] | | | (79) 4.08 |
| (21) 15 | | | *(80) 2594 – 2866
[2730] |
| (22) 3 | | | |
| (23) 176 | | | |