

# UIL NUMBER SENSE - PRACTICE PACKET 1

## for Grades 4-6



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For official UIL Constitution and Contest Rules for Number Sense, please review Section 940 on the document under "Contest Rules" at: <http://www.uil texas.org/aplus/events/aplus-number-sense>

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## for Grades 4-6

*We are a small company that listens! If you have any questions or if there is an area that you would like fully explored, let us hear from you. We hope you enjoy this product and stay in contact with us throughout your academic journey.*

~ President Hexco Inc., Linda Tarrant

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IF YOU LIKE THIS PRODUCT, WE ALSO RECOMMEND

Number Sense Concepts  
Mental Math Mentor & Notes

## Number Sense Grades 4-6 - Test A

Contestant's number \_\_\_\_\_

Final \_\_\_\_\_

1<sup>st</sup> \_\_\_\_\_

2<sup>nd</sup> \_\_\_\_\_

Score Initials

The person conducting this contest should explain these directions to the contestants.

DIRECTIONS: Do not turn this page until the person conducting this test gives the signal to begin. This is a ten-minute test. There are 80 problems. Solve as many as you can accurately and quickly in the order in which they appear. ALL PROBLEMS ARE TO BE SOLVED MENTALLY. Make no calculations with paper and pencil. Write only the answer in the space provided at the end of each problem. Problems marked in **bold** require approximate integral answers; any answer next to a bolded problem that is within five percent of the exact answer will be scored correct; all other problems require exact answers.

### NUMBER SENSE TEST

- |   |  |
|---|--|
| <p>(1) <math>1174 + 627 =</math> _____</p> <p>(2) <math>4107 - 3149 =</math> _____</p> <p>(3) MMCMLXVI = _____<br/>(Arabic numerals)</p> <p>(4) LXVI + LXII = _____<br/>(Arabic Numerals)</p> <p>(5) <math>43 \times 43 =</math> _____</p> <p>(6) <math>471 + 62 + 89 =</math> _____</p> <p>(7) <math>3640 \div 8 =</math> _____</p> <p>(8) <math>6\frac{1}{4} \times 48 =</math> _____</p> <p>(9) <math>4016 - 17 - 94 =</math> _____</p> <p><b>(10) <math>84 \times 52 =</math> _____</b></p> <p>(11) <math>4\frac{1}{6} - 3\frac{1}{3} =</math> _____</p> <p>(12) The sum of the primes less than 13 is _____</p> <p>(13) The largest prime divisor of 63 is _____</p> <p>(14) Change 24/36 to lowest terms _____</p> <p>(15) <math>\frac{1}{2} - \frac{1}{3} =</math> _____</p> <p>(16) <math>\frac{4}{5} =</math> _____ (decimal)</p> <p>(17) <math>3.2 + .6 - 1.4 =</math> _____</p> <p>(18) The remainder when 61299 is divided by 9 is _____</p> <p>(19) The mean of 62, 74, 83 is _____</p> <p><b>(20) <math>109 \times 111 =</math> _____</b></p> | <p>(21) <math>78 \times 11 =</math> _____</p> <p>(22) 50% of 31 is _____</p> <p>(23) 84 yards is _____ feet</p> <p>(24) 44200 cm is _____ meters</p> <p>(25) Three eggs cost \$.39, a dozen will cost \$ _____</p> <p>(26) 6 is to 36 as 4 is to _____</p> <p>(27) <math>2\frac{1}{3} \times 1\frac{1}{2} =</math> _____</p> <p>(28) Write 14/6 as a mixed numeral in lowest terms. _____</p> <p>(29) The area of a right triangle with sides of 3", 4 " 5" is _____ sq. in.</p> <p><b>(30) <math>246 \times 137 =</math> _____</b></p> <p>(31) If <math>x - 42 = 42</math>, then <math>2x =</math> _____</p> <p>(32) The additive inverse of <math>-3\frac{1}{2} =</math> _____</p> <p>(33) The largest prime between 20 and 30 is _____</p> <p>(34) <math>62 \times 58 =</math> _____</p> <p>(35) <math>\sqrt{361} =</math> _____</p> <p>(36) <math>50 \times 36 =</math> _____</p> <p>(37) <math>\frac{7}{x} = \frac{49}{63}</math>, <math>x =</math> _____</p> <p>(38) <math>24^2 =</math> _____</p> <p>(39) <math>7^3 =</math> _____</p> <p><b>(40) 1680 hours = _____ days</b></p> |
|---|--|