

**University Interscholastic League  
2004 – 2005 Elementary Number Sense Test A**

Contestant's Number \_\_\_\_\_

Final	_____	_____
2 <sup>nd</sup>	_____	_____
1 <sup>st</sup>	_____	_____
<b>Score</b>	<b>_____</b>	<b>Initials</b>
		<b>_____</b>

**Read Directions Carefully  
Before Beginning Test**

**Do Not Unfold This Sheet  
Until Told to Begin**

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 accurately and quickly as many as you can 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 with a (\*) require approximate integral answers; any answer to a starred problem that is within five percent of the exact answer will be scored correct; all other problems require exact answers.

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

**Stop – Wait for Signal!**

- |  |   |
|--|---|
| (1) $24 + 25 =$ _____  | (22) $4 + 3 \times 2 =$ _____   |
| (2) $47 - 16 =$ _____  | (23) 27 feet = _____ yards  |
| (3) $15 \times 4 =$ _____  | (24) 2 cups = _____ ounces (liquid)   |
| (4) $103 - 44 =$ _____   | (25) Which is larger $\frac{2}{3}$ or 0.66? _____                               |
| (5) $72 + 6 =$ _____   | (26) How many prime numbers are there between 1 and 10? _____                   |
| (6) $24 \times 5 =$ _____  | (27) $0.45 - 0.29 =$ _____ (decimal)  |
| (7) $(2 \times 10^3) + (3 \times 10^1) + (5 \times 10^{-2}) =$ _____ | (28) $\frac{3}{8} =$ _____ (decimal)  |
| (8) $25 \times 7 =$ _____  | (29) $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} =$ _____ (fraction) |
| (9) 148 ÷ 9 has a remainder of _____                                 | *(30) $124 \times 161 =$ _____  |
| *(10) $100023 + 67060 =$ _____                                       | (31) 28.5 centimeters = _____ (meters)  |
| (11) $281 - 182 =$ _____   | (32) The greatest common divisor of 18 and 12 is _____                          |
| (12) $11 \times 24 =$ _____  | (33) $2 + 18 + 3^2 =$ _____   |
| (13) $0.35 \times 2 =$ _____   | (34) $\frac{2}{3} + \frac{3}{2} =$ _____ (Mixed number)                         |
| (14) $103 \times 104 =$ _____  | (35) 250 ¢ = _____ nickels  |
| (15) $75 \times 24 =$ _____  | (36) If 4 pencils cost 69 ¢, then a dozen pencils cost \$ _____                 |
| (16) $3618 + 18 =$ _____   | (37) The perimeter of a rectangle with length 11-cm and width 6-cm is _____ cm  |
| (17) $28 \times 12 =$ _____  |   |
| (18) $18 \times 22 =$ _____  |   |
| (19) $11 + 22 + 33 =$ _____  |   |
| *(20) $1099 + 5999 + 49 =$ _____                                     |   |
| (21) 28% = _____ (decimal)   |   |

**University Interscholastic League**  
**2004 – 2005 Elementary Number Sense Test B**

Contestant's Number \_\_\_\_\_

Final \_\_\_\_\_  
 2<sup>nd</sup> \_\_\_\_\_  
 1<sup>st</sup> \_\_\_\_\_  
**Score                  Initials**

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- |  |   |
|--|---|
| <p>(1) <math>21 \times 5 =</math> _____</p> <p>(2) <math>4 + 6 + 8 =</math> _____</p> <p>(3) <math>235 - 18 =</math> _____</p> <p>(4) <math>162 + 344 =</math> _____</p> <p>(5) <math>842 \div 2 =</math> _____</p> <p>(6) <math>14 \times 6 =</math> _____</p> <p>(7) <math>(8 \times 10^3) + (3 \times 10^2) + (5 \times 10^{-1}) =</math> _____</p> <p>(8) <math>13 \times 25 =</math> _____</p> <p>(9) <math>341 \div 9</math> has a remainder of _____</p> <p>*(10) <math>7910 + 8056 =</math> _____</p> <p>(11) <math>642 - 246 =</math> _____</p> <p>(12) <math>11 \times 63 =</math> _____</p> <p>(13) <math>0.65 \times 4 =</math> _____ (decimal)</p> <p>(14) <math>97 \times 94 =</math> _____</p> <p>(15) <math>75 \times 16 =</math> _____</p> <p>(16) <math>9672 \div 24 =</math> _____</p> <p>(17) <math>12 \times 18 =</math> _____</p> <p>(18) <math>19 \times 21 =</math> _____</p> <p>(19) <math>9 + 19 + 29 =</math> _____</p> <p>(20) <math>23800 + 7010 + 96 =</math> _____</p> <p>(21) <math>28\% =</math> _____ (fraction)</p> | <p>(22) <math>7 + 8 \times 2 =</math> _____</p> <p>(23) 14 yards = _____ feet</p> <p>(24) 3 quarts = _____ pints</p> <p>(25) Which is larger <math>\frac{5}{8}</math> or 0.65? _____</p> <p>(26) What is the largest prime number less than 40?<br/>       _____</p> <p>(27) <math>3.12 - 0.95 =</math> _____ (decimal)</p> <p>(28) <math>\frac{7}{8} =</math> _____ (decimal)</p> <p>(29) <math>\frac{1}{16} + \frac{3}{16} + \frac{5}{16} =</math> _____ (fraction)</p> <p>*(30) <math>624 \times 161 =</math> _____</p> <p>(31) 89.5 decameters = _____ (meters)</p> <p>(32) The least common multiple of 8 and 12 is _____</p> <p>(33) <math>8 + 48 \div 2^3 =</math> _____</p> <p>(34) <math>\frac{8}{5} + \frac{5}{8} =</math> _____ (Mixed number)</p> <p>(35) 15 quarters = _____ nickels</p> <p>(36) If 1 pint of milk costs 69 ¢, then 1 gallon of milk cost \$ _____</p> <p>(37) The perimeter of a pentagon with sides: 11-cm, 13-cm, 22-cm, 17-cm and 8-cm is _____ cm</p> |
|--|---|