Contestant's Number _____

Final _____ _____
2nd _____ _____
1st _____ _____
Score   Initials

Read Directions Carefully   **Do Not Unfold This Sheet**
Before Beginning Test   **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) $31 + 14 =$ _____

(2) $4 + 11 + 41 =$ _____

(3) $28 - 11 =$ _____

(4) $12 \times 7 =$ _____

(5) $52 \div 4 =$ _____

(6)   XXIX = _____ Arabic Number

(7) $1 + 19 + 2 + 18 =$ _____

(8) $25 \times 8 =$ _____

(9) $1 \times 2 \times 3 \times 4 \times 5 =$ _____

*(10) $69 + 79 + 199 =$ _____

(11) $52 \times 11 =$ _____

(12) $216 \div 9$ has a remainder of _____

(13) $12 \times 14 =$ _____

(14) $93 \times 94 =$ _____

(15) $1 + 2 + 3 + 4 + \ldots + 11 =$ _____

(16) $4530 \div 15 =$ _____

(17) $24 \times 26 =$ _____

(18) $234 - 44 - 16 =$ _____

(19) $12 + 24 + 36 =$ _____

*(20) $4005 + 6899 + 96 =$ _____

(21)   The largest prime number less than 30 is _____

(22) $45 \times 55 =$ _____

(23)   24 quarts = _____ gallons

(24) $15\% =$ _____ (fraction)

(25) $2.4 - 0.28 =$ _____ (decimal)

(26)   5.76 hectometers = _____ (millimeters)

(27)   Which is smaller $\frac{3}{8}$ or 0.4 ? _____

(28)   How many unique prime factors divide evenly into 12 ? _____

(29) $0.34 \times 0.5 =$ _____ (decimal)

*(30) $201 \times 159 =$ _____

(31)   450 ¢ = _____ quarters

(32)   If 3 pencils cost 89 ¢, then a dozen pencils cost $ _____

(33) $8 - 6 \div 2 =$ _____

(34)   The least common multiple of 20 and 36 is _____

(35)   What is the ratio of dimes to quarters in $1.50? _____

(36) $\frac{4}{25} =$ _____ decimal

(37) $\frac{11}{8} - \frac{5}{8} =$ _____ fraction

(38) $101 \times 75 =$ _____

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(1) $42 + 43 =$ _____

(2) $5 + 13 + 55 =$ _____

(3) $78 - 35 =$ _____

(4) $8 \times 12 =$ _____

(5) $64 \div 4 =$ _____

(6) XLV = _____ Arabic Number

(7) $17 + 3 + 6 + 14 =$ _____

(8) $25 \times 12 =$ _____

(9) $75 \times 24 =$ _____

*(10) $18 + 92 \div 803 =$ _____

(11) $78 \times 11 =$ _____

(12) $835 \div 9$ has a remainder of _____

(13) $18 \times 12 =$ _____

(14) $104 \times 105 =$ _____

(15) $1 + 3 + 5 + 7 + \ldots + 11 =$ _____

(16) $2842 \div 14 =$ _____

(17) $28 \times 32 =$ _____

(18) $705 - 56 - 24 =$ _____

(19) $16 + 32 + 48 =$ _____

*(20) $6005 + 6899 + 606 =$ _____

(21) The largest prime number less than 100 is _____

(22) $75 \times 55 =$ _____

(23) 30 quarts = _____ pints

(24) $96\% =$ _____ (fraction)

(25) $3.19 - 1.58 =$ _____ (decimal)

(26) 76520 decimeters _____ decameters

(27) Which is smaller $\dfrac{8}{9}$ or $\dfrac{11}{12}$? _____

(28) How many positive integers evenly divide into 24?

_____

(29) $0.36 \div 0.5 =$ _____ (decimal)

*(30) $334 \times 479 =$ _____

(31) 275 ¢ = _____ nickels

(32) If 4 pencils cost 96 ¢, then a dozen pencils cost

$ _____

(33) $12 - 8 + 2 =$ _____

(34) The greatest common factor of 48 and 32 is _____

(35) What is the ratio of quarters to dimes in $4.50?

_____

(36) $\dfrac{17}{20}$ _____ decimal

(37) $\dfrac{13}{16} - \dfrac{7}{16} =$ _____ fraction

(38) $83 \times 101 =$ _____