The University Interscholastic League

Number S	ense Test, Ser		
Contestant's Number		1st	
Read Directions Carefully	Do Not Unfo	Score Score	Initials
Before Beginning Test	Until Told T	o Begin	
DIRECTIONS: Do not turn this page until the person conduct problems. Solve accurately and quickly as many as you can MENTALLY. Make no calculations with paper and pencil Problems marked with a (*) require approximate integral an answer will be scored correct; all other problems require expressions are supported by the problems of the problems of the problems of the problems.	in the order in w l. Write only the iswers; any answe	hich they appear. ALL PROBLEMS ARE TO I answer in the space provided at the end of ea	BE SOLVED ach problem.
The person conducting this contest should explain these dis	rections to the co	ntestants.	
Sto	op - Wait for Sign	nal!	
(1) 92 - 29 =	(19)	11 x 16 =	
(2) 1812 ÷ 6 =		29 x 39 + 100 =	
(3) 2 x 7 x 5 =	(21)	16 ÷ 2 x 4 - 1 =	M 1204
(3) 2 X / X 3 =		1 Ja	
(4) Round 4391 to the nearest multiple of 100.	. (22)	The largest whole number less than 30 that is	
(5) XXXVII =(Arabic Nu	meral).	of 4 is	•
		Which is larger, $\frac{1}{4}$ or .24?	
(6) $17^2 = $. (23)	which is larger, 4	
(7) 3 x 1000 + 2 x 100 + 3 x 10 =	(24)	1.34 + 2.56 =	P (649
(0) 25 25			
(8) 35 x 35 =	. (25)	Reduce $\frac{42}{66}$ to lowest terms.	
(9) 123 + 321 =		**	
*(10) 12 + 122 + 1222 + 12222 =	(26)	Which is smaller, $\frac{4}{7}$ or $\frac{3}{8}$?	
(11) 4 + 15 = (Roman Nu		34% =	_ (fraction).
(12) 7 + 7 + 14 =	(28)	.42 =	_ (fraction).
(13) 1424 ÷ 3 has a remainder of	(29)	39% =	_ (decimal).
(14) How many odd numbers are between 3 and 19?	*(30)	18325 ÷ 135 =	
(15) 25 x 24 =	(31)	12 x 18 =	
16) 3 + 7 + 11 + 15 + 19 + 23 =		What is the smallest positive prime number?	
(17) 21 x 9 -1 =		3 yards =	
(18) Write the number, "three hundred five".	. (34)	$\frac{3}{10}$ + .45 =	_ (decimal).

(35)	.03	Х	.09 =		
------	-----	---	-------	--	--

(36)	If 4 per	ncils cost	52	cents,	then	one	dozen	pencils	cost
	\$								

*(40)
$$4\frac{1}{4} \times 5648 \div 17 =$$
______.

(44) Find n if
$$\frac{2n}{3} = \frac{4}{9} \cdot n =$$
_____.

(45)
$$5\frac{1}{4} - 1\frac{3}{4} =$$
 (Mixed Number).

(46) If
$$n = 3$$
 then $2n + 7 = _______$

(47)
$$2\frac{1}{4} + 1\frac{1}{2} =$$
 (Mixed Number).

(49)
$$4\frac{1}{2} \times 6 =$$

*(50)
$$\sqrt{2916} =$$

(51)
$$\frac{7}{9} \times 7 =$$
 (Mixed Number).

(52) If
$$n = 4$$
 then $n^2 - 5n =$ _____.

(53) A circle has an area of
$$49\pi$$
 square inches. Its radius is _____ inches.

(55) If
$$12^2 + x^2 = 13^2$$
 then $x^2 =$ ______.

$$(58)$$
 $6^3 =$ _______

(59) A triangle has an area of 28 square inches. If its height is 8 inches, then its base is ______ inches.

(61) If
$$2x + 1 = 5$$
 then $2x - 1 =$ _____.

(63)
$$2\frac{1}{3} \times 2\frac{2}{3} =$$
 (Mixed Number).

(68)
$$2\frac{1}{4} \times 6\frac{1}{4} =$$
 (Mixed Number).

(71) The reciprocal of
$$\frac{2}{3}$$
 is ______

$$(75) 17^2 - 16^2 = \underline{\hspace{1cm}}.$$

*(80)
$$(2 + 4 + 6 + 8 + 10 + 12)^2 =$$