University Interscholastic League 2019 – 2020 Elementary Number Sense Test C

	2019 – 2020 Eleme	ntary Number S	Sense Test C		
Contes	stant's Number		Final		
Dood I	Do Not Unfold	I This Chast	1 st		
Read Directions Carefully Before Beginning Test Do Not Unfold Until Told				Score	Initials
probler SOLVI probler percent	ons: Do not turn this page until the person conducting thems. Solve accurately and quickly as many as you can in ED MENTALLY. Make no calculations with paper and m. Problems marked with a (*) require approximate into the exact answer will be scored correct; all other productions of the exact answer will be scored correct.	the order in whi pencil. Write o egral answers; ar blems require ex	ich they appear. ALL PRO nly the answer in the spac ny answer to a starred prob exact answers.	OBLEMS Al e provided a	RE TO BE the end of each
The pe	rson conducting this contest should explain these directi Stop –	ons to the contes Wait for Signal			
(1)	31 + 46 =	*(20)	2017 + 2020 + 2023 = _		
(2)	77 – 25 =	(21)	16.16 × 50 =		
(3)	2020 ÷ 20 =		$\frac{11}{24} + \frac{7}{24} =$		
(4)	321 × 3 =				
(5)	218 – 69 =	(23)	$1\frac{1}{4}$ yards =		inches
(6)	132 ÷ 4 =	(24)	20 ÷ 8 × 4 =		
(7)	19 + 22 + 25 =	(25)	$\frac{19}{50} =$		decimal
(8)	34 × 2 × 5 =				
(9)	Which digit is in the thousandths place in	(26)	Which is smaller: $\frac{13}{15}$ o	r —?	
	12360.97485 ?	(27)	72 percent =	(common fraction)
*(10)	2020 × 249 =	(28)	175 × 16 =		
(11)	22 × 18 =	(29)	The smallest prime grea	ter than 80 i	S
(12)	24 × 11 – 11 × 6 =	*(30)	167 × 2390 + 499 =		
(13)	18764.06956 rounded to the thousands place	(31)	$3\frac{1}{3}\% = $	(common fraction)
(15)	is	(32)	The number of unique p		
(14)	CLXIV = (Arabic numeral)	, ,			
(15)	There are odd numbers between 5 and 32.	(33)	$\frac{23}{24} - \frac{5}{24} =$	(0	common fraction)
(16)	$23 \times 10^2 + 5 \times 10^1 + 5 \times 10^{-1} = $ (decimal)	(34)	$\frac{15}{100} - \frac{1}{10} = \underline{\hspace{1cm}}$	(c	ommon fraction)
(17)	48 × 101 =	(35)	Twelve is to eight as eig	thteen is to n	. n =
(18)	8291 ÷ 9 has a remainder of	(36)	If 12 ♠ cost 72¢, then 8	♠ cost	¢

(37)

The least common multiple of 36 and 30 is _____

(19) 53 × 25 =____

(42)	$\frac{11}{12} - \frac{1}{4} =$ (common fraction)	(64)	The area of an isosceles triangle with sides 10, 10,
(43)	A number, x, added to 12 equals 30. What is x?		and 16 is
(44)	The area of a rectangle is 200 and the length of one side is 25. The length of the other side is	(65)(66)	$21^2 + 63^2 =$ If a pair of dice is thrown, the probability that the
(45) (46)	108 inches =yards 24 ² =	(67)	sum of the dice is an odd number is If the largest angle of an isosceles triangle is 112°, what is the measure of one of the other angles?°
(47)	$12\frac{5}{6} + 3\frac{3}{4} = $ (mixed number)	(68) (69)	$\sqrt{225} - \sqrt{361} = $
(48)	134 (Base 8) =Base 10	*(70)	49 (Base 10) = (Base 6) 235 ² =
(49)	What is the number, k , in the sequence: 0, 3, 8, 15, k , 35, 48,?	` /	$24 \times \left(\frac{5}{8} - \frac{1}{2}\right) = \underline{\hspace{1cm}}$
*(50)	$12^4 \div 3^3 =$	(72)	The perimeter of a regular hexagon is $3\frac{1}{2}$. What is
(51)	$16 \times 1\frac{3}{4} - \frac{1}{2} =$		the length of one side?
(52)	95 × 96 =	(73)	\$6.75 =quarters
(53)	$\frac{6}{11} + \frac{11}{6} = $ (mixed number)	(74)	If $40 + 3x > 1$, then $x > $
(54)	If set $A = \{C, H, E, R, R, Y\}$ and set $B = \{P, I, E\}$,	(75)	12 × 120 =
	then the number of elements in A \bigcup B is	(76)	If a black bag contains 8 blue, 13 red, and 15 green
(55)	If 28 is subtracted from three times a number, the result is 20. The number is		marbles, what is the probability of randomly drawing a green marble?
(56)	65 × 12 ÷ 5 =	(77)	$22\frac{2}{9}\%$ of 27 is
(57)	If $3x + 24 = 36$, then $x = $	(78)	If the angles of a quadrilateral are 90°, 57°, and 63°,
(58)	What is the volume of a rectangular box with sides 20 cm, 24 cm and 10 cm?cm ³		what is the measure of the fourth angle?°
(59)	A circle has an area of 64π . What is the circle's	(79)	240 × 15 =
	diameter?	*(80)	303 × 201 × 89 =

*(60)

(61)

(62)

 $\sqrt{265225} =$

(32) – (-28) ÷ (-2) = _____

 $8^2 - 22^2 =$

 $(63) \quad \frac{1}{3} + \frac{1}{6} + \frac{1}{9} = \underline{\hspace{1cm}}$

 $(17 \times 16 \times 15) \div 7$ has a remainder of _____

225 × 80 =_____

 $10180 \div 6\frac{1}{4} = \underline{\hspace{1cm}}$

If z = 3.5, then 14 + 4z =_____

(38)

(39)

*(40)

(41)

2019 – 2020 University Interscholastic League Elementary Number Sense Test C – Key

- (1) 77
- (2) 52
- (3) 101
- (4) 963
- (5) 149
- (6) 33
- (7) 66
- (8) 340
- (9) 4
- *(10) 477831 528129
- (11) 396
- (12) 198
- (13) 19000
- (14) 164
- (15) 13
- (16) 2350.5
- (17) 4848
- (18) 2
- (19) 1325

- *(20) 5757 6363
 - (21) 808
 - (22) $\frac{3}{4}$
 - (23) 45
 - (24) 10
 - (25) .38
 - (26) $\frac{13}{15}$
 - (27) $\frac{18}{25}$
 - (28) 2800
 - (29) 83
- *(30) 379648 419610
 - (31) $\frac{1}{30}$
 - (32) 3
 - (33) $\frac{3}{4}$
- $(34) \frac{1}{20}$
- (35) 12
- (36) 48
- (37) 180

- (38) 6
- (39) 18000
- *(40) 1548 1710
- (41) 28
- (42) $\frac{2}{3}$
- (43) 18
- (44) 8
- (45) 3
- (46) 576
- (47) $16\frac{7}{12}$
- (48) 92
- (49) 24
- *(50) 730 806
- (51) $27\frac{1}{2}$; 27.5; $\frac{55}{2}$
- (52) 9120
- (53) $2\frac{25}{66}$
- (54) 7
- (55) 16
- (56) 156
- (57) 4
- (58) 4800
- (59) 16

- *(60) 490 540
 - (61) 18
 - (62) -420
 - (63) $\frac{11}{18}$
 - (64) 48
 - (65) 4410
 - (66) $\frac{1}{2}$; .5
 - (67) 34
 - (68) -4
 - (69) 121
 - *(70) 52464 57986
 - (71) 3
 - (72) $\frac{7}{12}$
 - (73) 27
 - (74) -13
 - (75) 1440
 - (76) $\frac{5}{12}$
 - (77) 6
 - (78) 150
 - (79) 3600
 - *(80) 5149349 -

5691385