

## Nineteenth International Linguistics Olympiad

Castletown (Isle of Man), July 25–29, 2022

Team Contest Solution

















### Part I

(a)

30	31	32	33	34	35	36	37	38	39	40	41
V	L	O	U	M	T	P	K	R	B	N	C
42	43	44	45	46	47	48	49	50	51	52	53
D	E	W	J	H	X	I	S	G	A	F	Q

- (b) 54. *3600 chi and 2 li are equal to each other.*  
 55. *If you subtract 1 shi 3 sheng from 20 shi, 18 shi 9 dou 7 sheng remains.*  
 56. *If you add 374 jin to 842 jin, how much is the number you get?*  
 57. *If you multiply 64 fen by 15, you get 9 liang 6 qian.*

(c)

58.	59.	60.	61.	62.	63.	64.	65.
							
							

### Part II

(d)

66	67	68	69	70	71	72	73	74	75	76	77
A	I	K	F	H	W	M	G	D	P	V	R
78	79	80	81	82	83	84	85	86	87	88	89
U	Q	E	X	O	S	T	C	L	B	N	J

- (e) (i) *The seventh, eighth, and ninth months, [the season of] harvesting all sorts of things, is called “autumn”.*  
 (ii) *The direction in which the sun sets is called “west”.*  
 (iii) *Two fifties is called “hundred”.*  
 (iv) *The most clever among all sorts of living things given birth to by Heaven is called “human”.*  
 (v) *The number of qian of silver of which something that is bought and sold is worth is called “price”.*  
 (vi) *The bluest [color] is called “black”.*

### Part III

- (f) 90. *suwe gemu elhe saiyūn. suwe manju gisun gisurembio.*  
*Are you<sub>pl</sub> all at peace? Do you<sub>pl</sub> speak Manchu?*  
— *be beye gemu elhe sain. be manju gisun gisurembi.*  
*We are all at peace. We speak Manchu.*
91. *suwende bele yali gemu bio akūn.*  
*Do you<sub>pl</sub> have both rice and meat?*  
— *mende bele yali gemu bi.*  
*We have both rice and meat.*
92. *bele oci ai bele, jai yali oci ai yali.*  
*As to rice, what kind of rice is it? Again, as to meat, what kind of meat is it?*  
— *bele oci šanyan bele, yali oci coko yali.*  
*The rice is white rice; the meat is chicken meat.*
93. *suwe udu hūda de coko yali dehu jakūn yan bumbi.*  
*At what price do you<sub>pl</sub> give forty-eight liang of chicken meat?*  
— *duin jiha sunja fun menggun de bumbi.*  
*[We] give [it] at four qian five fen of silver.*
94. *bi etuku udambi, tere ilhanggangge emke de hūda udu.*  
*I'm buying garments. How much is the price for each of those flower-patterned ones?*  
— *ere ilhangga sijigiyan emke de duin yan menggun.*  
*Each of these flower-patterned long-sleeved ones is four liang of silver.*
95. *minde tuweri i dorgi etuku ilan bu, uheri bodoci udu.*  
*Give me three inner garments for winter. How much is the total if [you] do the math?*  
— *be bodoci uheri duin yan sunja jiha menggun.*  
*If we do the math, [it's] four liang five qian of silver in total.*
96. *bi funiyehe ehe honin be uncaki sembi, suwe udaki sembio.*  
*I wish to sell a sheep with bad wool. Do you<sub>pl</sub> wish to buy [it]?*  
— *funiyehe ehe honin oci be udarakū.*  
*If it's a sheep with bad wool, we won't buy [it].*
97. *jakūnju de uyunju be nonggici, udu be bahambi.*  
*If you add 90 to 80, what do you get?*  
— *tanggū nadanju be bahambi.*  
*You get 170.*
98. *suwe orhoda oci aibaningge udaki sembi.*  
*As to ginseng, [ginseng] from where do you<sub>pl</sub> wish to buy?*  
— *be orhoda oci coohiyan ci jihe orhoda be udaki sembi.*  
*As to ginseng, we wish to buy ginseng from Korea.*
99. *gemun hecen i wargi ergi de ai hoton bi.*  
*What city is to the west of the imperial palace?*  
— *huhu hoton bi.*  
*Hohhot is there.*



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