## **Ancient Greek**

Consider these phrases in Ancient Greek (in a Roman-based transcription) and their unordered English translations:

	(A)	ho tōn hyiōn dulos	(1) the donkey of the masterō
	(B)	hoi tōn dulōn cyrioi	(2) the brothers of the merchant
	(C)	hoi tu emporu adelphoi	(3) the merchants of the donkeys
	(D)	hoi tōn onōn emporoi	(4) the sons of the masters
	(E)	ho tu cyriu onos	(5) the slave of the sons
	(F)	ho tu oicu cyrios	(6) the masters of the slaves
	(G)	ho tōn adelphōn oicos	(7) the house of the brothers
	(H)	hoi tōn cyriōn hyioi	(8) the master of the house
1.	Match t	he Ancient Greek phrase (A-H) wit	th the corresponding English translation (1-8).
2.	Translat	e into Ancient Greek:	
	a)	the houses of the merchants	
	b)	the donkeys of the slave.	

Note: the letter  $\bar{o}$  stands for a long o.

## Aragonese

In the Iberian Peninsule, there are several languages, apart from Portuguese and Spanish (Castillan), that share the same romanic origin, such as Catalan, Galician, Mirandese, Asturian, Leonese and Aragonese. The list below brings a list of words in Aragonese, their plural forms and their translations to . Seguem algumas palavras em aragonês com suas traduções para o português e suas formas no plural:

valley	bal	bals
stool	banquet	banquetz
hole	clot	clotz
stone	cantal	cantals
awake	concordau	
chocolate	chicolat	
union	chunta	
unhanded	deixau	deixaus
eclipse	eclix	
cicada	ferfet	
character	personache	personaches
fish	peix	peixes

Write down the missing words.

## Lalana Chinantec

Lalana Chinantec is a language spoken by approximately 10,000 people who live in the Oaxaca region of Mexico. In the following orthography a colon (:) marks a long vowel, and the ? symbol marks a glottal stop (like the sound in the middle of uh-oh).

	kalakwa: kwɨ: li:?	The beautiful corn grew.			
	mɨlaʤö mo:h kya	My pineapples have turned out well.			
	li:ʔ kalane kwɨ: kwa: kya	My tall corn yellowed beautifully.			
	ძვö kalaro:h mo:h ne kya	My yellow pineapples ripened well.			
	kaladʒö kwɨ:	The corn turned out well.			
	mɨlakwa: kwɨ:	The corn has grown.			
<ol> <li>What</li> <li>What</li> <li>Trans</li> </ol>	alana Chinantec: beautiful.				
4. Tran	slate the following sentences into E	English:			
•	c) mɨlaro:h kwɨ: ne				
	d)				

### **Molistic**

Imagine that you have heard these sentences: Jane is molistic and slatty. Jennifer is cluvious and brastic. Molly and Kyle are slatty but danty. The teacher is danty and cloovy. Mary is blitty but cloovy. Jeremiah is not only sloshful but also weasy. Even though frumsy, Jim is sloshful. Strungy and struffy, Diane was a pleasure to watch. Easy though weasy, John is strungy. Carla is blitty but struffy. The salespeople were cluvious and not slatty. 1. Then which of the following would you be likely to hear? \_\_\_\_\_ a. Meredith is blitty and brastic. b. The singer was not only molistic but also cluvious. \_\_\_\_\_ c. May found a dog that was danty but sloshful. 2. What quality or qualities would you be looking for in a person? \_\_\_\_\_ a. blitty \_\_\_\_\_ b. weasy \_\_\_\_c. sloshful

\_\_\_\_\_ d. frumsy

### Persian

Several Persian phrases are presented together with their translations: the cat under the bed gorbe zir-e raxtexāb the house under the mountain xåne pāin-e kuh the stool under the table čahārpāye zir-e miz the boat under the bridge ğāyeğ zir-e pol the package under the door amānat pāin-e dar šahr zir-e āftāb the city under the sun the letter under the book nāme zir-e ketāb the book on the lowest shelf in the bookcase ketāb pāin-e komod 1. Translate into English: a) čahārpāye pāin-e miz b) ketāb zir-e komod 2. Here are two English phrases and their Persian translations (with gaps): sang \_\_\_\_ āb c) the stone under the water ja'abe \_\_\_\_ deraxt d) the box under the tree

Fill the gaps. If you think that some of them can be filled in more than one way, give all possible answers. Explain your solution.

Note: ā, å, š, č, ğ, ' represent specific Persian sounds.

#### Kazakh

Several phrases have been translated into Kazakh (written in Roman script here), but the translations are given in random order. Some of the words are missing.

2	a.	one and five		_i.	ben	elüw
ŀ	о.	one and eight		_ii.	bir men be	S
C	с.	three and two			bir se	giz
C	d.	four and seven		iv.	elüw eki me	en on
Ć	e <b>.</b>	seven and fifty		_v.	men	elüw
f	f.	eight and fifty		_vi.	otız ben	
8	g.	thirteen and thirty		_V11.	tört pen že	eti
ŀ	n.	thirty and two		_V111.	üš e	ki
i		fifty-two and ten		ix.	on üš pen	otız
		ach phrase with its correct translation e into Kazakh:	and	supply t	he missing	words.
2	a.	five and thirty-eight				
ŀ	Э.	ten and four				
(	С.	seven and fifty-three				
C	d.	thirty-eight and five				

Note:  $\mathbf{i}$ ,  $\ddot{\mathbf{o}}$ ,  $\ddot{\mathbf{u}}$ ,  $\mathbf{i}$  are specific Kazakh vowels. The letter  $\mathbf{\check{z}}$  has the sound of s in the word usual.

! Kazakh language belongs to the Central Turkic groups of languages. It is the official language and principle native language of the Republic of Kazakhstan. It is spoken by about 6,5 million people in Kazakhstan and about 1,5 million people southern Siberia, northwestern China and northwestern Mongolia.

## Taikyoku Shōgi

Japanese Chess (*Shōgī*), played on a board of size 9 by 9 and with a total of 40 men, is the most popular intellectual game in contemporary Japan, where it entertains between 10 and 20 million people. But between the 8<sup>th</sup> and 18<sup>th</sup> century many other variants of the game were invented in that country, some on smaller and some on larger boards.

The largest of all Japanese chess games (and generally the largest chess game in history) is *Taikyoku Shōgi* (more or less "Ultimate Chess"), in which the board is of size 36 by 36 (or 1296 squares in all) and every player has in the beginning an army of 402 men of 208 different types.

This is a table which contains the names of some of the men in *Taikyoku Shōgi* (in Japanese and in English translation), as well as the name of the man to which each of them promotes upon reaching one of the farthest 11 ranks of the board.

Initial value			Promoted value			
1.		"Running Stag"	$\Rightarrow$	honroku		
2.			$\Rightarrow$	tōshō	"Sword General"	
3.	gyūhei	"Ox Soldier"	$\Rightarrow$			
4.		"Right General"	$\Longrightarrow$	ugun		
5.		"Ox General"	$\Longrightarrow$	hongyū		
6.	kyūhei	"Bow Soldier"	$\Rightarrow$		"Bow General"	
7.	kisho	"Wood General"	$\Rightarrow$			
8.	dohei	"Crossbow Soldier"	$\Rightarrow$			
9.			$\Longrightarrow$		"Dashing Horse"	
10.		"Left Chariot"	$\Longrightarrow$			
11.		"Horse Soldier"	$\Longrightarrow$	sōba		
12.	sōyū	"Running Bear"	$\Longrightarrow$		"Dashing Bear"	
13.	tonshō	"Pig General"	$\Longrightarrow$	honton		
14.	tesshō		$\Rightarrow$	hakuzō	"White Elephant"	
15.			$\Rightarrow$	sagun	"Left Army"	
16.	usha		$\Longrightarrow$	utessha	"Right Iron Chariot"	
17.			$\Rightarrow$	honrō	"Dashing Wolf"	
18.	sekishō	"Stone General"	$\Rightarrow$		"White Elephant"	

Fill the gaps.

Note: A bar above a vowel letter indicates length.

# Tupí and Guaraní

The Tupi-Guarani language family, widespread in the lowlands of South America, was very important in the history of the colonization of the continent. Among them, the most famous languages are Tupinambá (*old Tupi*), spoken along the Portuguese coast in the colonial times, and Guarani, still spoken today in southern Brazil, Argentina, Uruguay and Paraguay (being co-official in the later). The table below shows some words in Tupinambá, their translations to English and their correspondents in Guaraní Mbya, one of the forms of the Guaraní language.

English	Tupinambá	Guaraní Mbya	English	Tupinambá	Guaraní Mbya
rock	itá	itá	to beat	petek	
soil	ybý	yvý	to hear	senub	
water	у	у	red	pyranga	
black	un	ũ	lizard	teju	
head	akanga	akã	I say	a'é	
to bring	erur	eru	beautiful	porang	
to hear	endub	endu	mouth		juru
to experiment	sa'ang	ha'ã	half		ku'a
you want	erepotár	erepotá	wood		yvyrá
to heal	pueráb	kuerá	you stay		erepytá
I sleep	aker	aké	high		yvaté
boss	ubixab				ereké
rib	arukang			jaguar	
to overcome	opuan				potá
peanut	mandubi				

1. Fill the blank spaces.

1.	Ibiúna (SP)	 (a)	white soil
2.	Ibiporanga (SP)	 (b)	great river
3.	Iúna (ES)	 (c)	place for producing fishing hooks
4.	Tijuípe (BA)	 _ (d)	lizard river
5.	Pindamonhangaba (SP)	 (e)	red river
6.	Jacarecoara (MA)	 _ (f)	turtle's burrow
7.	Ibitinga (SP)	 (g)	sound the water does in the rock
8.	Jericoaquara (CE)	 (h)	great rock
9.	Ipiranga (PR)	 (i)	alligator's/yacare's burrow
10.	Tijuaçu (BA)	 _ (j)	black soil
11.	(Usina de) Itaipú (PR)	 (k)	black river
12.	Itatinga (SP)	 (l)	fish of the yellow river
13.	Itauçu (GO)	 (m)	beautiful land
14.	Pirajuí (SP)	 (n)	big lizard
15.	(Foz do) Iguaçu (PR)	 (o)	white rock
	, , ,	 	

2. Below there are names of several cities in Brazil that are of Tupi origin, and their meanings in

no particular order. Match the correspondences between the columns.

Note: **y** represents the closed central unrounded vowel [i]. **b** represents the bilabial fricative consonant  $[\beta]$ . 'representes the glottal pause [?], like the pause in *uh-oh*.

# Basque Numbers

Several multiplications have been written out in Basque. There are gaps in the last two lines.

$bi \times bi = lau$
$bi \times bost = hamar$
$bi \times hamar = hogei$
$hiru \times bost = hamabost$
hiru × hamar = hogeita hamar
$bost \times bost = hogeita bost$
bost × zazpi = hogeita hama
bost zazpi × bederatzi = hirurogeita hiru
$zazpi \times hamar = hirurogeita hamar$
$lau \times bost = $
× hamar = laurogeita hamar

- **1.** Fill in the gaps.
- **2.** Write in figures:
  - a) laurogeita hamahiru = \_\_\_\_\_
  - b) hirurogei = \_\_\_\_\_
- 3. Write out in Basque:

Note: The letter s has the sound of English sh, z of s, tz of ts in cats. The letter h is mute. ! Basque is spoken by 500,000 to 600,000 people in France and Spain and by about 170,000 people in South America. It has not been proven to be related to any other language.

# Icelandic Kinship

Guðrún Eriksdóttir Hrafnhildardóttir and Jakob Christiansson had three kids, from which they are very proud, for their successes and for all of them have given them grandsons or granddaughters. In order to celebrate their 70<sup>th</sup> wedding anniversary, the long-lived couple had a party with all their descendants: sons and daughters, grandsons and granddaughters, great-grandsons and great-granddaughters. Naturally, some of their sons-in-law and daguthers-in-law, as well as grandsons-in-law and granddaughters-in-law, were also invited. Here is the list of all the people in the party:

Christian Kristínsson	Margret Steinunnardóttir Jakobsdóttir			
Daniel Guðrúnarson Jakobsson	Ragnheiður Jakobsdóttir			
Daniel Steinunnarson Đorarinssonar	Rakel Ragnheiðardóttir Bergmann			
Eva Emilsdóttir Kvaran	Robert Bergmann Gunnarsson			
Gunnar Gunnarsson	Sara Jakobs Đorarinssonar			
Hrafn Kristínsson Viktorsson Sigurður Jóns Bergmann				
Ingimundur Sigurðarson Bergmann	Stefan Gunnarsson Gunnarssonar			
Jakob Đorarinsson	Steinunn Jakobsdóttir			
Jón Oddsson Bergmann	Viktor Danielsson Jakobssonar			
Kristín Guðrúnardóttir Aronsdóttir	Viktoría Viktorsdóttir			
<ol> <li>Which of the sons/daughters of Guðrún and</li> <li>How many kids had Viktor?</li> </ol>				
4. How many kids had Steinum?				
5. Which of the sons/daughters of Rakel didn's	t inherit any of her surnames?			
6. Write five possibilities of name and surname knowing that his first name will be the same as	for the son that Eva and Christian are waiting, the father of the pop singer Björk Guðmundsdóttir.			
7. Steinunn liked very much his grandmother (mother of her mother), so that she gave her name to he daughter she had with Björn Annasson, before she maried with her present husband. Give two possibilites for the name of this girl.				
Note: in management of a min new D and & are a	numer control on this this			

Note:  $\mathbf{j}$  is pronounced as y in you;  $\mathbf{D}$  and  $\mathbf{\delta}$  are pronounced as th in this.

#### Guaraní Verbs

noñe'ẽi

He is not talking

The following Guaraní verb forms are listed along with their English translations.

We will be catching

japyhyta

He is not enjoying	okororõ	He is crying
He is shooting	ndajajupirima	We were not waking up
You are greeting	ahyvykõima	I was enjoying
He will not be eating	añe'ēta	I will be talking
You were not taking	namomaiteiri	I am not greeting
You will not be crying	japurahei	We are singing
singing		
	He is shooting You are greeting He will not be eating You were not taking You will not be crying glish.  D'āi  araní. ot shooting singing	He is shooting ndajajupirima  You are greeting ahyvykõima  He will not be eating añe'ēta  You were not taking namomaiteiri  You will not be crying japurahei  glish.  D'ãi  ot shooting  singing e eating

Notes: "you" is always plural in the sentences above. A squiggle over a vowel indicates that it is nasal (pronounced partly through the nose). The letter  $\tilde{n}$  is pronounced like the sound in the middle of "piñata" or "onion". The letter y is pronounced like the "u" in "cut". The letter j and the apostrophe (') are specific consonants. Guaraní is one of the official languages (along with Spanish) of Paraguay, where it is spoken by 94% of the population.

#### Toki Pona

Toki Pona is a constructed language, created in 2011 by the Canadian linguist Sonja Elen Kisa. Her aim was the language to be a minimal language, undervaluing the empty and abstract communication such as the ones of politicians and bureaucrats and pointing more directly to the concrete human life experiences. Therefore, the language makes use of only 123 words, with roots coming from different language families.

What follows is a list of some words and expressions in Toki Pona and, out of order, their English translations:

kiwen suno jelo, tomo tawa telo, jan Powi, ilo suno, telo jelo, jan ilo, jan toki, supa lape, supa moku, ma tomo, wile moku, tawa, nasin linja, wile pona, telo kiwen, lipu toki, wile lawa, linja lawa, tomo moku, linja kiwen

prophet, well-intentioned, hair, lantern, ice, robot, boat, thorn, hungry, Boris, book, piss, city, bed, orthodoxy, movement, restaurant, dominant, dinner table, gold

- 1. Do the right associations between the words and translations.
- **2.** Give the translation of all the simple Toki Pona words used in the compounded words and expressions of this problem.
- 3. How would you translate literally the name of the language?