

(B) The Pame Game (1/1)

Northern Pame:

- **base:** tenhiup = 8;
- **order:** multiplier_base_addend, i.e. the numbers have the following form:
 $\alpha \text{ tenhiup } \beta = 8 * \alpha + \beta$, where $1 \leq \alpha, \beta \leq 7$;
- numbers between 1 and 3 have two different names which are used as multipliers and addends, respectively.

	1	2	3	4	5	6	7
α	kara	kanuje	karnu?	giruij			
β	sante	nuji	rnu?	giruij	git'aj	tiria	teriuhiij

Central Pame:

Since the two languages are cognate, it can be expected that at least some words with identical meanings are going to turn out to be more or less similar.

- **base:** 20, subbase 10 (**seska?ai**);
- **order:** multiplier_base_addend, i.e. the numbers have the following form:
 $\text{seska?ai } \beta = 10 + \beta$, $\beta \geq 1$;
- $\alpha \text{ lien } \beta = \alpha * 20 + \beta$, $\alpha \geq 1$, $\beta \geq 1$.

1	nda	5	kik'ai	9	nda ntsaw? nda
2	nui	6	tilija	10	seska?ai
3	ranhū?	7	tilijnūhūn	20	nda lien
4	kijnui	8	nda ntsaw?	$\beta * 20$	β lien

Answers:

B1.

a.

$$\begin{aligned} \text{nuji} &= 2 \\ \text{karnu? tenhiup teriuhiij} &= 3 * 8 + 7 = 31 \end{aligned}$$

b.

$$\begin{aligned} 1 &= \text{nda} \\ 3 &= \text{ranhū?} \\ 9 &= \text{nda ntsaw? nda} \\ 56 &= \text{nui lien seska?ai tilija} \\ 60 &= \text{ranhū? lien} \end{aligned}$$

