

Island hopping

Edinburgh Maths Circle

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In the table below, you will see the first ten numerals in five Polynesian languages. Fill in the gaps (except the shaded cells)

Language	Number									
	1	2	3	4	5	6	7	8	9	10
Hawai'ian	kahi	lua		ha	lima	ono	hiku	walu		
Māori	tahi	rua	toru	wha		ono	whitu	waru	iwa	
Marquesan	tahi		to'u	ha		ono		va'u		
Cook Islands Māori	ta'i			'a	rima	ono	'itu	varu	iva	ŋa'uru
Samoan	tasi	lua			lima	ono	fitu		iva	ŋafulu

Pronunciation notes: <ŋ> is like *ng* in *singer*; <'> is the glottal stop as in some pronunciations of *butter*; <wh> is like the *wh* in *which* for many Scottish speakers

Extra question

Tagalog, a major language of the Philippines, is related to the Polynesian languages. What do you think the following Tagalog words mean?

- *lima*
- *walo*
- *pito*
- *anim*
- *apat*