

INTRODUCTION TO NUMBERS

"Natural numbers" are ordinary positive numbers such as 1, 2, 3, 4, and 5. Natural numbers have two main uses. The first is counting, which focuses on the "number or quantity of elements in a set," as in "Are there three or four dancers?" and "There are four dancers." The second main use of natural numbers is ordering, which focuses on the "position of an element in a sequence of elements," as in "Is he the first, second, third, or fourth singer?" and "The fourth singer on the bench is my relative." In language, numerals or number names are words that represent numbers. In language, counting numbers are called "cardinal numbers" and ordering numbers are called "ordinal numbers."

The Mescalero Apache language has unique names for the cardinal numbers (1-10). The cardinal numbers (11-19) are formed by adding the enclitic -dzáada "plus 10" to "combining forms" of (1-9). The cardinal numbers (20-99) are formed by adding the enclitic -díní "times 10" to the combining forms of (1-9). The cardinal numbers (100-999) are formed by adding the enclitic -dntuu' "times 100" to the combining forms of (1-9).

Here are examples of how such cardinal numbers are formed using dáãe'é "1." In the following table, we use the phrase "combining form" to refer to the pronunciation of a number when it is combined or "compounded" with another word or enclitic. We use the term "enclitic" to refer to a kind of suffix that occurs in Mescalero Apache.

Introduction to Numbers in Mescalero Apache		
Numbers and English Translations	Mescalero Apache Language Numbers	Pronunciations, Analyses, and Notes
"1" "one"	dáãe'é (or) dáãe'é	[dá.ãe.'é] (or) [dá.ãe.'é] (particle) dá-...-é is a clitic (a combination of a proclitic and an enclitic) meaning, "only that."

Introduction to Numbers in Mescalero Apache		
Numbers and English Translations	Mescalero Apache Language Numbers	Pronunciations, Analyses, and Notes
		<p>dá- "only, just" (proclitic)</p> <p>-é "the one that" seems to be an archaic enclitic that is similar to the enclitic -í or -'i "the one that."</p> <p>āee' (or) āe' "one" (particle)</p>
<p>"11"</p> <p>"eleven"</p>	<p>āee'dzáada</p> <p>(or)</p> <p>āe'dzáada</p>	<p>[āee'.dzáa.da]</p> <p>(or)</p> <p>[āe'.dzáa.da]</p> <p>Note: The long vowel [ee] is "creaky" during the last half of its pronunciation.</p> <p>Note: In the syllable [dzáa], the long vowel has falling tone. The first half of this vowel is high tone and the second half is low tone.</p> <p>(particle)</p> <p>āee' (or) āe' "one" (particle)</p> <p>-dzáada "plus 10" (enclitic)</p>
<p>"100"</p> <p>"one hundred"</p>	<p>dáāédntuu'</p> <p>(or)</p> <p>āédntuu'</p>	<p>[dá.āéd.n.tuu']</p> <p>(or)</p> <p>[āéd.n.tuu']</p> <p>Note: The long vowel [uu] is "creaky" during the last half of its pronunciation.</p> <p>(particle)</p> <p>dāāe- (or) āe- "one" (stem)</p> <p>dá- "only, just" (proclitic)</p> <p>-dntuu' "times 100" (enclitic)</p>

Introduction to Numbers in Mescalero Apache		
Numbers and English Translations	Mescalero Apache Language Numbers	Pronunciations, Analyses, and Notes
		Note: -dntuu' requires high tone on the preceding vowel (of the form to which it is attached).
"101" "one hundred one"	dááédntuu' dáâe'é (or) dááédntuu' âee'	[dá.âéd.n.tuu' dá.âe.'é] Note: The long vowel [uu] is "creaky" during the last half of its pronunciation. dáâe- (or) âe- "one" (stem) dá- "only, just" (proclitic) -dntuu' "times 100" (enclitic) Note: -dntuu' requires high tone on the preceding vowel (of the form to which it is attached). dáâe'é "one" (particle) âee' (or) âe' "one" (particle) dá-...-é is a clitic (a combination of a proclitic and an enclitic) meaning, "only that." dá- "only, just" (proclitic) -é "the one that" seems to be an archaic enclitic that is similar to the enclitic -í or -'i "the one that."
"111" "one hundred eleven"	dááédntuu' âee'dzáada (or) dááédntuu' âe'dzáada	[dá.âéd.n.tuu' âee'.dzáa.da] (or) [dá.âéd.n.tuu' âe'.dzáa.da] Note: The long vowel [uu] is "creaky" during the last half of its pronunciation. Note: In the syllable [dzáa], the long vowel has falling tone. dáâe- (or) âe- "one" (stem)

Introduction to Numbers in Mescalero Apache		
Numbers and English Translations	Mescalero Apache Language Numbers	Pronunciations, Analyses, and Notes
		<p>dá- "only, just" (proclitic)</p> <p>-dntuu' "times 100" (enclitic)</p> <p>Note: -dntuu' requires high tone on the preceding vowel (of the form to which it is attached).</p> <p>āee' (or) āe' "one" (particle)</p> <p>-dzáada "plus 10" (enclitic)</p>
"20" "twenty"	naa'díní	<p>[naa'.dí.ní]</p> <p>(particle)</p> <p>Note: The long vowel [aa] is "creaky" during the last half of its pronunciation preceding the glottal stop ['].</p> <p>naa' - "two" (stem)</p> <p>Note: See naa'ki "two" (particle)</p> <p>-ki is an enclitic whose meaning is unclear to us.</p> <p>-díní "times 10" (enclitic)</p>
"121" "one hundred twenty-one"	dāāédntuu' naa'díní āee'	<p>[dā.āéd.n.tuu' naa'.dí.ní āee']</p> <p>Note: The long vowel [uu] is "creaky" during the last half of its pronunciation.</p> <p>Note: The long vowel [aa] is "creaky" during the last half of its pronunciation preceding the glottal stop ['].</p> <p>dāāe- (or) āe- "one" (stem)</p> <p>dá- "only, just" (proclitic)</p> <p>-dntuu' "times 100" (enclitic)</p>

Introduction to Numbers in Mescalero Apache		
Numbers and English Translations	Mescalero Apache Language Numbers	Pronunciations, Analyses, and Notes
		<p>Note: -dntuu' requires high tone on the preceding vowel (of the form to which it is attached).</p> <p>naa' - "two" (stem)</p> <p>-díńí "times 10" (enclitic)</p> <p>āee' (or) āe' "one" (particle)</p>
<p>"1000"</p> <p>"one thousand"</p>	dáāédntuu'díńí	<p>[dá.āéd.n.tuu'.dí.ńí]</p> <p>Note: The long vowel [uu] is "creaky" during the last half of its pronunciation.</p> <p>(particle)</p> <p>dāāe- (or) āe- "one" (stem)</p> <p>dā- "only, just" (proclitic)</p> <p>-dntuu' "times 100" (enclitic)</p> <p>Note: -dntuu' requires high tone on the preceding vowel (of the form to which it is attached).</p> <p>-díńí "times 10" (enclitic)</p>
<p>"2000"</p> <p>"two thousand"</p>	naa'kídntuu'díńí	<p>[naa'.kíd.n.tuu'.dí.ńí]</p> <p>Note: The long vowel [aa] is "creaky" during the last half of its pronunciation preceding the glottal stop ['].</p> <p>(particle)</p> <p>naa'ki "two" (particle)</p> <p>naa' - "two" (stem)</p> <p>-ki is an enclitic whose meaning is unclear to us.</p> <p>-dntuu' "times 100" (enclitic)</p>

Introduction to Numbers in Mescalero Apache		
Numbers and English Translations	Mescalero Apache Language Numbers	Pronunciations, Analyses, and Notes
		Note: -dntuu' requires high tone on the preceding vowel (of the form to which it is attached). -díní "times 10" (enclitic)

