

MULTIPLICATION

Multiplication. For multiplication, this frame may be used: number-í number-dn 'ájíí'laa'-gu da'kúí' "When a number is added to itself some number of times, how many is it?" "Number" here means any numeral in Mescalero Apache. -'í "the, the one that" is an enclitic. -dn is an enclitic that means, "times." 'Ájíí'laa' is a verb that means, "one did thus." -gu is a subordinate enclitic that means, "while, when, toward, instead." 'Ájíí'laa'-gu is a combination that means, "if one did so" or "when one did so." Da'kúí' or da'kúí is a particle that means, "How many?." Here, da'kúí' functions as a verb. Examples of the use of this "multiplication frame" appear in the next table.

Multiplication		
Number-í number-dn 'ájíí'laa'-gu da'kúí'?		
Multiplication Problems	Answers	Pronunciations, Analyses, and Notes
<p>Naa'ki-'í naa'ki-dn 'ájíí'laa'-gu, da'kúí'?</p> <p>"If one did two two times, how many (would it be)?"</p>	<p>dīī'</p> <p>[dīī']</p> <p>"four"</p>	<p>[naa'.ki.'í naa'.ki-dn 'á.jíí'.laa'.gu da'.kúí']</p> <p>Note: The long vowels [aa] are "creaky" during the last half of their pronunciations.</p> <p>naa'ki [naa'.ki] "two" (particle)</p> <p>-í (or) -'í "the, the one that" (definite, topic, or relative enclitic) (This enclitic can change a verb into a noun.)</p> <p>-dn "times" (enclitic)</p> <p>dīī' [dīī'] "four" (particle)</p> <p>'ájíí'laa' ['á.jíí'.laa'] "one did so" (3a person, perfective mode, transitive verb)</p>

Multiplication		
Number-í number-dn 'ájíí'laa'-gu da'kúí'?		
Multiplication Problems	Answers	Pronunciations, Analyses, and Notes
		-gu "while, when, toward, instead" (subordinate enclitic) da'kúí' [da'.kúí'] (or) da'kúí [da'.kúí] "how many" (particle)
'aashdlai'-í dīī-dn 'ájíí'laa'-gu, da'kúí'? "If one did five four times, how many (would it be)?"	naa'díní [naa'.dí.ní] "twenty"	['aa'sh.dlai.'í dīīd.n 'á.jíí'.laa'.gu da'.kúí'] Note: The long vowel [aa] is "creaky" during the last half of its pronunciation. We mark such "creakiness" by inserting a glottal stop ['] after the vowel and prior to [sh]. 'aashdlai' ['aa'sh.dlai'] "five" (particle) -í (or) -'í "the, the one that" (definite, topic, or relative enclitic) (This enclitic can change a verb into a noun.) dīī' "four" (particle) -dn "times" (enclitic) naa'díní [naa'.dí.ní] "twenty" (particle) 'ájíí'laa' ['á.jíí'.laa'] "one did so" (3a person, perfective mode, transitive verb)

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		-gu "while, when, toward, instead" (subordinate enclitic) da'kúí' [da'.kúí'] (or) da'kúí [da'.kúí] "how many" (particle)
Naa'kidzáada-í táá-dn 'ájíí'laa'-gu, da'kúí'? "If one did twelve three times, how many (would it be)?"	táá'díní guustání [táá'.dí.ní guu's.tá.ní] "thirty-six"	[naa'.ki.dzáa.da.'í táád.n 'á.jíí'.laa'.gu da'.kúí'] Note: The long two vowels [aa] are "creaky" during the last half of their pronunciations. Note: The long vowel [áa] has falling tone. naa'kidzáada [naa'.ki.dzáa.da] "twelve" (particle) -í (or) -'í "the, the one that" (definite, topic, or relative enclitic) (This enclitic can change a verb into a noun.) táá- "three" (a compounding form of táí') -dn "times" (enclitic) táá'díní [táá'.dí.ní] "thirty" (particle) guustání [guu's.tá.ní] "six" (particle)

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		'ájíí'laa' ['á.jíí'.laa'] "one did so" (3a person, perfective mode, transitive verb) -gu "while, when, toward, instead" (subordinate enclitic) da'kúí' [da'.kúí'] (or) da'kúí [da'.kúí] "how many" (particle)
Dīī'dzáada-'í dááe'é-dn 'ájíí'laa'-gu, da'kúí'? "If one did fourteen one time, how many (would it be)?"	dīī'dzáada [dīī'.dzáa.da] "fourteen"	[dīī'.dzáa.da.'í dá.áe.'éd.n 'á.jíí'.laa'.gu da'.kúí'] Note: The long vowel [áa] has falling tone. dīī'dzáada [dīī'.dzáa.da] "fourteen" (particle) -í (or) -'í "the, the one that" (definite, topic, or relative enclitic) (This enclitic can change a verb into a noun.) dááe'é [dá.áe.'é] "one" (particle) -dn "times" (enclitic) 'ájíí'laa' ['á.jíí'.laa'] "one did so" (3a person, perfective mode, transitive verb) -gu "while, when, toward, instead" (subordinate enclitic)

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		da'kúí' [da'.kúí'] (or) da'kúí [da'.kúí] "how many" (particle)
Dááédntuu' 'aashdlai'dzáada-í dīī-dn 'ájíí'laa'-gu, da'kúí'?" "If one did one hundred fifteen four times, how many (would it be)?"	dīīdntuu' guustaa'díní [dīīd.n.tuu' guu's.taa'.dí.ní] "four hundred sixty"	[dá.âéd.n.tuu' 'aa'sh.dlai'.dzáa.da.'í dīīd.n 'á.jíí'.laa'.gu da'.kúí'] Note: The long vowel [aa] is "creaky" during the last half of its pronunciation. We mark such "creakiness" by inserting a glottal stop ['] after the vowel and prior to [sh]. Note: The long vowel [áa] has falling tone. dááédntuu' [dá.âéd.n.tuu'] "one hundred" (particle) 'aashdlai'dzáada ['aa'sh.dlai'.dzáa.da] "fifteen" (particle) -í (or) -'í "the, the one that" (definite, topic, or relative enclitic) (This enclitic can change a verb into a noun.) dīī- "four" (a combining form of dīī') -dn "times" (enclitic)

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		'ájíí'laa' ['á.jíí'.laa'] "one did so" (3a person, perfective mode, transitive verb) -gu "while, when, toward, instead" (subordinate enclitic) da'kúí' [da'.kúí'] (or) da'kúí [da'.kúí] "how many" (particle)