

Numeric annotations and property assignments for cuneiform signs

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1 Summary

This document proposes Numeric_Value property assignments for eight characters in the Cuneiform block. It also proposes informative aliases, cross references, and informative notes, as well as some adjustments to subheadings, for the character names lists for the Cuneiform, Cuneiform Numbers and Punctuation, and Early Dynastic Cuneiform blocks.

2 Rationale

As noted in text proposed for the core specification in [L2/24-210, p. 3], several series of cuneiform numerals are split between the Cuneiform Numbers and Punctuation block and the main Cuneiform block, whereas other numeric characters have separately encoded unrelated lookalikes in the Cuneiform block.

There are however no cross-references between these blocks, so that it can be difficult to locate the appropriate character to use for a given number. In some cases, the conventions used in ATF transliteration of numeric notation [Tin19] do

not match the character names; this can make it difficult to identify characters and locate their attestations. For example, it recently took the author of this document and Steve Tinney¹ a couple of days to figure out where U+12463 𒈉 CUNEIFORM SIGN ONE QUARTER GUR and U+12464 𒈊 CUNEIFORM SIGN ONE HALF GUR came from, initially suspecting they might be used in Achæmenid Persepolis; they turned out to be from Ur III Umma, 700 km and 1500 years away, see [[P429599](#); [P429605](#); [SigristGabbay2014](#)], but are described in digital corpora as numbers of bariga rather than fractions of a gur (of four bariga).

Further, the characters in the Cuneiform block, which rightfully have General_Category=Other_Letter on account of their non-numeric usage, do not have Numeric_Value assignments. This is inconvenient when handling these numerals programmatically: whereas 𒃩 has Numeric_Value=3 because it is $3 \times 𒃩$, and 𒃩 accordingly has Numeric_Value=1, 𒃩 has Numeric_Value=3 because it is $3 \times 𒃩$, but 𒃩 has Numeric_Value=NaN. Note that there is precedent for assigning non-NaN Numeric_Value to characters with General_Category=Other_Letter; many such characters are CJK unified ideographs, which get their Numeric_Value from the Unihan database, but eight are compatibility ideographs, which get their Numeric_Value from UnicodeData.txt, as is proposed here.

Some characters, such as U+121F9 CUNEIFORM SIGN LIMMU2, are not merely lookalikes of numeric signs (in this case U+12402 𒃪 CUNEIFORM NUMERIC SIGN FOUR ASH), but are effectively duplicate encodings (limmu is the Sumerian word for “four”). No annotations nor changes to properties are proposed for those characters at the moment. A separate proposal will be submitted at a later date to add them to DoNotEmit.txt and to add notes discouraging their use, consistently with existing practice in the [[OSL](#)].

3 Proposed changes to the Standard

3.1 Immediate character names list changes

The following changes to NamesList.txt are proposed. The affected characters are highlighted in blue in the charts appended to this document. Note that these charts also incorporate the names list changes contingent on [[L2/24-210](#)] below. Cross references between unrelated lookalike characters are only proposed from non-numeric characters to numeric characters, not in the other direction: since the Cuneiform block contains both numeric and non-numeric signs, a user could be looking there for a numeric sign and pick the wrong character, such as ZA 𒃩 for the number 4(diš) = 𒃩; on the other hand, a user is unlikely to be looking in the Cuneiform Numbers and Punctuation block for the syllable /za/. The annotations on the sign 𒃩 reflect its status as the first of two different numeral series: the (diš) discrete counting numerals 𒃩, 𒃩, 𒃩, 𒃩, 𒃩, 𒃩, 𒃩, 𒃩, and the (barig) capacity measures 𒃩, 𒃩, 𒃩, 𒃩. Attached: [NamesList-1.patch](#).

```
--- a/unicodetools/data/ucd/dev/NamesList.txt
+++ b/unicodetools/data/ucd/dev/NamesList.txt
@@ -36748,12 +36748,19 @@ FFFF      <not a character>
12036      CUNEIFORM SIGN ARKAB
12037      CUNEIFORM SIGN ASAL2
12038      CUNEIFORM SIGN ASH
+          = 1 aš
```

¹Who was a co-author of the proposals [[L2/12-002](#); [L2/12-207R](#)] to encode 𒈉 and 𒈊!

```

+
+      x (cuneiform numeric sign two ash - 12400)
12039      CUNEIFORM SIGN ASH ZIDA TENU
+
+      = 1 aš tenū
+      = 1 diš tenū
+      x (cuneiform numeric sign two ash tenu - 1244A)
+      = 1/2 iku
1203A      CUNEIFORM SIGN ASH KABA TENU
1203B      CUNEIFORM SIGN ASH OVER ASH TUG2 OVER TUG2 TUG2 OVER TUG2 PAP
1203C      CUNEIFORM SIGN ASH OVER ASH OVER ASH
1203D      CUNEIFORM SIGN ASH OVER ASH OVER ASH CROSSING ASH OVER ASH OVER ASH
1203E      CUNEIFORM SIGN ASH2
+
+      x (cuneiform numeric sign four ban2 variant form - 12453)
1203F      CUNEIFORM SIGN ASHGAB
12040      CUNEIFORM SIGN BA
12041      CUNEIFORM SIGN BAD
@@ -36813,6 +36820,11 @@ FFFF      <not a character>
12077      CUNEIFORM SIGN DIN
12078      CUNEIFORM SIGN DIN KASKAL U GUNU DISH
12079      CUNEIFORM SIGN DISH
+
+      = 1 diš
+      x (cuneiform numeric sign three dish - 12408)
+      = 1 bariga
+      x (cuneiform numeric sign nigidamin - 12456)
+      x (cuneiform numeric sign nigidaesh - 12457)
1207A      CUNEIFORM SIGN DU
1207B      CUNEIFORM SIGN DU OVER DU
1207C      CUNEIFORM SIGN DU GUNU
@@ -37242,11 +37254,15 @@ FFFF      <not a character>
12224      CUNEIFORM SIGN MAH
12225      CUNEIFORM SIGN MAR
12226      CUNEIFORM SIGN MASH
+
+      = 1/2 diš
+      x (cuneiform numeric sign one ban2 - 1244F)
12227      CUNEIFORM SIGN MASH2
12228      CUNEIFORM SIGN ME
12229      CUNEIFORM SIGN MES
1222A      CUNEIFORM SIGN MI
1222B      CUNEIFORM SIGN MIN
+
+      = 2 diš
+      x (cuneiform numeric sign three dish - 12408)
1222C      CUNEIFORM SIGN MU
1222D      CUNEIFORM SIGN MU OVER MU
1222E      CUNEIFORM SIGN MUG
@@ -37326,6 +37342,7 @@ FFFF      <not a character>
12278      CUNEIFORM SIGN NUNUZ KISIMS TIMES BI
12279      CUNEIFORM SIGN NUNUZ KISIMS TIMES BI U
1227A      CUNEIFORM SIGN PA
+
+      x (cuneiform numeric sign two ban2 - 12450)
1227B      CUNEIFORM SIGN PAD
1227C      CUNEIFORM SIGN PAN
1227D      CUNEIFORM SIGN PAP
@@ -37389,7 +37406,10 @@ FFFF      <not a character>
122B7      CUNEIFORM SIGN SHA6
122B8      CUNEIFORM SIGN SHAB6
122B9      CUNEIFORM SIGN SHAR2
-
-      * formed by making a circular indentation with the end of the stylus
+      * merges with 1212D in logographic use in all but the most archaizing texts
+
+      * the archaic reference glyph is formed by making a circular indentation with the end
+      ↲ of the stylus
+
+      = 1 šar₂
+      x (cuneiform sign two shar2 - 12423)
122BA      CUNEIFORM SIGN SHE
122BB      CUNEIFORM SIGN SHE HU
122BC      CUNEIFORM SIGN SHE OVER SHE GAD OVER GAD GAR OVER GAR
@@ -37474,8 +37494,14 @@ FFFF      <not a character>
12309      CUNEIFORM SIGN TUR
1230A      CUNEIFORM SIGN TUR OVER TUR ZA OVER ZA
1230B      CUNEIFORM SIGN U
+
+      = 1 u
+      = 1 bur₃
+
+      x (cuneiform numeric sign four u - 1240F)
1230C      CUNEIFORM SIGN U GUD
1230D      CUNEIFORM SIGN U U U
+
+      = 3 u

```

+ = 3 bur₃
+ x (cuneiform numeric sign four u - 1240F)
1230E CUNEIFORM SIGN U OVER U PA OVER PA GAR OVER GAR
1230F CUNEIFORM SIGN U OVER U SUR OVER SUR
12310 CUNEIFORM SIGN U OVER U U REVERSED OVER U REVERSED
@@ -37559,7 +37585,9 @@ FFFF <not a character>
1235B CUNEIFORM SIGN UZ3 TIMES KASKAL
1235C CUNEIFORM SIGN UZU
1235D CUNEIFORM SIGN ZA
+ x (cuneiform numeric sign four dish - 12409)
1235E CUNEIFORM SIGN ZA TENU
+ x (cuneiform numeric sign four ash tenu - 1244C)
1235F CUNEIFORM SIGN ZA SQUARED TIMES KUR
12360 CUNEIFORM SIGN ZAG
12361 CUNEIFORM SIGN ZAMX
@@ -37621,9 +37649,15 @@ FFFF <not a character>
12397 CUNEIFORM SIGN TI2
12398 CUNEIFORM SIGN UM TIMES ME
12399 CUNEIFORM SIGN U U
+ = 2 u
+ = 2 bur₃
+ x (cuneiform numeric sign four u - 1240F)
@@ 12400 Cuneiform Numbers and Punctuation 1247F
-@ Numeric signs
+@ Common numeric signs
+@+ Used in multiple metrological systems
12400 CUNEIFORM NUMERIC SIGN TWO ASH
+ = 2 iku
+ x (cuneiform sign ash - 12038)
12401 CUNEIFORM NUMERIC SIGN THREE ASH
12402 CUNEIFORM NUMERIC SIGN FOUR ASH
12403 CUNEIFORM NUMERIC SIGN FIVE ASH
@@ -37632,13 +37666,20 @@ FFFF <not a character>
12406 CUNEIFORM NUMERIC SIGN EIGHT ASH
12407 CUNEIFORM NUMERIC SIGN NINE ASH
12408 CUNEIFORM NUMERIC SIGN THREE DISH
+ x (cuneiform sign dish - 12079)
+ x (cuneiform sign min - 12228)
12409 CUNEIFORM NUMERIC SIGN FOUR DISH
+ = 4 bariga
1240A CUNEIFORM NUMERIC SIGN FIVE DISH
1240B CUNEIFORM NUMERIC SIGN SIX DISH
1240C CUNEIFORM NUMERIC SIGN SEVEN DISH
1240D CUNEIFORM NUMERIC SIGN EIGHT DISH
1240E CUNEIFORM NUMERIC SIGN NINE DISH
1240F CUNEIFORM NUMERIC SIGN FOUR U
+ = 4 bur₃
+ x (cuneiform sign u - 1230B)
+ x (cuneiform sign u u - 12399)
+ x (cuneiform sign u u u - 1230D)
12410 CUNEIFORM NUMERIC SIGN FIVE U
12411 CUNEIFORM NUMERIC SIGN SIX U
12412 CUNEIFORM NUMERIC SIGN SEVEN U
@@ -37659,6 +37700,7 @@ FFFF <not a character>
12421 CUNEIFORM NUMERIC SIGN FOUR GESHU
12422 CUNEIFORM NUMERIC SIGN FIVE GESHU
12423 CUNEIFORM NUMERIC SIGN TWO SHAR2
+ x (cuneiform sign shar2 - 122B9)
12424 CUNEIFORM NUMERIC SIGN THREE SHAR2
12425 CUNEIFORM NUMERIC SIGN THREE SHAR2 VARIANT FORM
12426 CUNEIFORM NUMERIC SIGN FOUR SHAR2
@@ -37675,12 +37717,14 @@ FFFF <not a character>
12431 CUNEIFORM NUMERIC SIGN FIVE SHARU
12432 CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS DISH
12433 CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS MIN
+@ Area measures
12434 CUNEIFORM NUMERIC SIGN ONE BURU
12435 CUNEIFORM NUMERIC SIGN TWO BURU
12436 CUNEIFORM NUMERIC SIGN THREE BURU
12437 CUNEIFORM NUMERIC SIGN THREE BURU VARIANT FORM
12438 CUNEIFORM NUMERIC SIGN FOUR BURU
12439 CUNEIFORM NUMERIC SIGN FIVE BURU
+@ Variant stacking patterns
1243A CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH16

1243B CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH21
 1243C CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU
 @@ -37697,12 +37743,19 @@ FFFF <not a character>
 12447 CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU3
 12448 CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU4
 12449 CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU A
 +@ Slanted numerals
 +@+ Used in multiple Early Dynastic metrological systems as well as Ur III dates and
 ↳ subtractive notations
 1244A CUNEIFORM NUMERIC SIGN TWO ASH TENU
 + = 2 diš tenū
 + x (cuneiform sign ash zida tenu - 12039)
 1244B CUNEIFORM NUMERIC SIGN THREE ASH TENU
 1244C CUNEIFORM NUMERIC SIGN FOUR ASH TENU
 1244D CUNEIFORM NUMERIC SIGN FIVE ASH TENU
 1244E CUNEIFORM NUMERIC SIGN SIX ASH TENU
 +@ Capacity measures
 1244F CUNEIFORM NUMERIC SIGN ONE BAN2
 + * 12226 should be used for 1/2 diš
 + x (cuneiform sign mash - 12226)
 12450 CUNEIFORM NUMERIC SIGN TWO BAN2
 12451 CUNEIFORM NUMERIC SIGN THREE BAN2
 12452 CUNEIFORM NUMERIC SIGN FOUR BAN2
 @@ -37710,7 +37761,11 @@ FFFF <not a character>
 12454 CUNEIFORM NUMERIC SIGN FIVE BAN2
 12455 CUNEIFORM NUMERIC SIGN FIVE BAN2 VARIANT FORM
 12456 CUNEIFORM NUMERIC SIGN NIGIDAMIN
 + = 2 bariga
 + x (cuneiform sign dish - 12079)
 12457 CUNEIFORM NUMERIC SIGN NIGIDAESH
 + = 3 bariga
 +@ Area measures
 12458 CUNEIFORM NUMERIC SIGN ONE ESHE3
 12459 CUNEIFORM NUMERIC SIGN TWO ESHE3
 @ Fractions
 @@ -37718,20 +37773,31 @@ FFFF <not a character>
 1245B CUNEIFORM NUMERIC SIGN TWO THIRDS DISH
 1245C CUNEIFORM NUMERIC SIGN FIVE SIXTHS DISH
 1245D CUNEIFORM NUMERIC SIGN ONE THIRD VARIANT FORM A
 + = 1/3 aš curved
 + = 1/3 diš curved
 1245E CUNEIFORM NUMERIC SIGN TWO THIRDS VARIANT FORM A
 + = 2/3 aš curved
 + = 2/3 diš curved
 1245F CUNEIFORM NUMERIC SIGN ONE EIGHTH ASH
 + = 1/8 iku
 12460 CUNEIFORM NUMERIC SIGN ONE QUARTER ASH
 + = 1/4 iku
 12461 CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE SIXTH
 12462 CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE QUARTER
 +@ Capacity measures
 +@+ Used in Umma in the Ur III period with a gur of 4 bariga
 12463 CUNEIFORM NUMERIC SIGN ONE QUARTER GUR
 + = 1 bariga variant form
 12464 CUNEIFORM NUMERIC SIGN ONE HALF GUR
 + = 2 bariga variant form
 + * The sequence 12464 12463 is used for 3/4 gur
 @ Elamite fractions
 12465 CUNEIFORM NUMERIC SIGN ELAMITE ONE THIRD
 12466 CUNEIFORM NUMERIC SIGN ELAMITE TWO THIRDS
 @ Elamite numeric signs
 12467 CUNEIFORM NUMERIC SIGN ELAMITE FORTY
 12468 CUNEIFORM NUMERIC SIGN ELAMITE FIFTY
 -@ Numeric signs
 +@ Variant stacking patterns
 12469 CUNEIFORM NUMERIC SIGN FOUR U VARIANT FORM
 1246A CUNEIFORM NUMERIC SIGN FIVE U VARIANT FORM
 1246B CUNEIFORM NUMERIC SIGN SIX U VARIANT FORM

3.2 Contingent character names list changes

Once the additions proposed in [L2/24-210] are approved, cross-references to them should be added, as follows. The affected characters are highlighted in green in the charts appended to this document. Attached: [NamesList-2.patch](#).

```
--- a/unicodetools/data/ucd/dev/NamesList.txt
+++ b/unicodetools/data/ucd/dev/NamesList.txt
@@ -36750,11 +36750,15 @@ FFFF <not a character>
12038      CUNEIFORM SIGN ASH
= 1 aš
x (cuneiform numeric sign two ash - 12400)
+ x (cuneiform numeric sign one n01 - 12550)
+ x (cuneiform numeric sign one n01 flat - 1264C)
12039      CUNEIFORM SIGN ASH ZIDA TENU
= 1 aš tenū
= 1 diš tenū
x (cuneiform numeric sign two ash tenu - 1244A)
= 1/2 iku
+ x (cuneiform numeric sign one n08 - 12559)
+ x (cuneiform numeric sign one half iku curved variant form - 1258B)
1203A      CUNEIFORM SIGN ASH KABA TENU
1203B      CUNEIFORM SIGN ASH OVER ASH TUG2 OVER TUG2 TUG2 OVER TUG2 PAP
1203C      CUNEIFORM SIGN ASH OVER ASH OVER ASH
@@ -36822,6 +36826,8 @@ FFFF <not a character>
12079      CUNEIFORM SIGN DISH
= 1 diš
x (cuneiform numeric sign three dish - 12408)
+ x (cuneiform numeric sign one n08 - 12559)
+ x (cuneiform sign one n01 - 12550)
= 1 bariga
x (cuneiform numeric sign nigidamin - 12456)
x (cuneiform numeric sign nigidaesh - 12457)
@@ -37256,6 +37262,8 @@ FFFF <not a character>
12226      CUNEIFORM SIGN MASH
= 1/2 diš
x (cuneiform numeric sign one ban2 - 1244F)
+ * 12593 should be used for 1/2 aš curved
+ x (cuneiform numeric sign one ban2 curved - 12593)
12227      CUNEIFORM SIGN MASH2
12228      CUNEIFORM SIGN ME
12229      CUNEIFORM SIGN MES
@@ -37263,6 +37271,7 @@ FFFF <not a character>
1222B      CUNEIFORM SIGN MIN
= 2 diš
x (cuneiform numeric sign three dish - 12408)
+ x (cuneiform numeric sign two n08 - 1255A)
1222C      CUNEIFORM SIGN MU
1222D      CUNEIFORM SIGN MU OVER MU
1222E      CUNEIFORM SIGN MUG
@@ -37410,6 +37419,8 @@ FFFF <not a character>
* the archaic reference glyph is formed by making a circular indentation with the end
of the stylus
= 1 šar₂
x (cuneiform sign two shar₂ - 12423)
+ * 12579 should be used for numeric 1 šar₂ curved
+ x (cuneiform sign one n45 - 12579)
122BA      CUNEIFORM SIGN SHE
122BB      CUNEIFORM SIGN SHE HU
122BC      CUNEIFORM SIGN SHE OVER SHE GAD OVER GAD GAR OVER GAR
@@ -37497,11 +37508,15 @@ FFFF <not a character>
= 1 u
= 1 bur₃
x (cuneiform numeric sign four u - 1240F)
+ x (cuneiform numeric sign one n14 - 12562)
+ x (cuneiform numeric sign one n14 flat - 12656)
1230C      CUNEIFORM SIGN U GUD
1230D      CUNEIFORM SIGN U U U
= 3 u
= 3 bur₃
x (cuneiform numeric sign four u - 1240F)
+ x (cuneiform numeric sign three n14 - 12564)
+ x (cuneiform numeric sign three n14 flat - 12658)
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1230E      CUNEIFORM SIGN U OVER U PA OVER PA GAR OVER GAR
1230F      CUNEIFORM SIGN U OVER U SUR OVER SUR
12310     CUNEIFORM SIGN U OVER U U REVERSED OVER U REVERSED
@@ -37652,12 +37667,16 @@ FFFF      <not a character>
    = 2 u
    = 2 bur3
    x (cuneiform numeric sign four u - 1240F)
+   x (cuneiform numeric sign two n14 - 12563)
+   x (cuneiform numeric sign two n14 flat - 12657)
@@ 12400      Cuneiform Numbers and Punctuation      1247F
@      Common numeric signs
@+     Used in multiple metrological systems
12400     CUNEIFORM NUMERIC SIGN TWO ASH
    = 2 iku
    x (cuneiform sign ash - 12038)
+   x (cuneiform numeric sign two n01 - 12551)
+   x (cuneiform numeric sign two n01 flat - 1264D)
12401     CUNEIFORM NUMERIC SIGN THREE ASH
12402     CUNEIFORM NUMERIC SIGN FOUR ASH
12403     CUNEIFORM NUMERIC SIGN FIVE ASH
@@ -37668,6 +37687,7 @@ FFFF      <not a character>
12408     CUNEIFORM NUMERIC SIGN THREE DISH
    x (cuneiform sign dish - 12079)
    x (cuneiform sign min - 1222B)
+   x (cuneiform numeric sign three n08 - 12559)
12409     CUNEIFORM NUMERIC SIGN FOUR DISH
    = 4 bariga
1240A     CUNEIFORM NUMERIC SIGN FIVE DISH
@@ -37680,12 +37700,15 @@ FFFF      <not a character>
    x (cuneiform sign u - 1230B)
    x (cuneiform sign u u - 12399)
    x (cuneiform sign u u u - 1230D)
+   x (cuneiform numeric sign four n14 - 12565)
+   x (cuneiform numeric sign four n14 flat - 12659)
12410     CUNEIFORM NUMERIC SIGN FIVE U
12411     CUNEIFORM NUMERIC SIGN SIX U
12412     CUNEIFORM NUMERIC SIGN SEVEN U
12413     CUNEIFORM NUMERIC SIGN EIGHT U
12414     CUNEIFORM NUMERIC SIGN NINE U
12415     CUNEIFORM NUMERIC SIGN ONE GESH2
+   x (cuneiform numeric sign one n34 - 1256B)
12416     CUNEIFORM NUMERIC SIGN TWO GESH2
12417     CUNEIFORM NUMERIC SIGN THREE GESH2
12418     CUNEIFORM NUMERIC SIGN FOUR GESH2
@@ -37695,12 +37718,14 @@ FFFF      <not a character>
1241C     CUNEIFORM NUMERIC SIGN EIGHT GESH2
1241D     CUNEIFORM NUMERIC SIGN NINE GESH2
1241E     CUNEIFORM NUMERIC SIGN ONE GESU
+   x (cuneiform numeric sign one n48 - 12574)
1241F     CUNEIFORM NUMERIC SIGN TWO GESU
12420     CUNEIFORM NUMERIC SIGN THREE GESU
12421     CUNEIFORM NUMERIC SIGN FOUR GESU
12422     CUNEIFORM NUMERIC SIGN FIVE GESU
12423     CUNEIFORM NUMERIC SIGN TWO SHAR2
    x (cuneiform sign shar2 - 122B9)
+   x (cuneiform numeric sign two n45 - 12579)
12424     CUNEIFORM NUMERIC SIGN THREE SHAR2
12425     CUNEIFORM NUMERIC SIGN THREE SHAR2 VARIANT FORM
12426     CUNEIFORM NUMERIC SIGN FOUR SHAR2
@@ -37710,6 +37735,7 @@ FFFF      <not a character>
1242A     CUNEIFORM NUMERIC SIGN EIGHT SHAR2
1242B     CUNEIFORM NUMERIC SIGN NINE SHAR2
1242C     CUNEIFORM NUMERIC SIGN ONE SHARU
+   x (cuneiform numeric sign one n50 - 12582)
1242D     CUNEIFORM NUMERIC SIGN TWO SHARU
1242E     CUNEIFORM NUMERIC SIGN THREE SHARU
1242F     CUNEIFORM NUMERIC SIGN THREE SHARU VARIANT FORM
@@ -37719,6 +37745,8 @@ FFFF      <not a character>
12433     CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS MIN
@      Area measures
12434     CUNEIFORM NUMERIC SIGN ONE BURU
+   x (cuneiform numeric sign one buru curved - 1258E)
+   x (cuneiform numeric sign one n50 - 12582)
12435     CUNEIFORM NUMERIC SIGN TWO BURU

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12436      CUNEIFORM NUMERIC SIGN THREE BURU
12437      CUNEIFORM NUMERIC SIGN THREE BURU VARIANT FORM
@@ -37754,6 +37782,7 @@ FFFF      <not a character>
1244F      CUNEIFORM NUMERIC SIGN ONE BAN2
* 12226 should be used for 1/2 diš
+ x (cuneiform sign mash - 12226)
x (cuneiform numeric sign one ban2 curved - 12593)
12450      CUNEIFORM NUMERIC SIGN TWO BAN2
12451      CUNEIFORM NUMERIC SIGN THREE BAN2
12452      CUNEIFORM NUMERIC SIGN FOUR BAN2
@@ -37763,10 +37792,12 @@ FFFF      <not a character>
12456      CUNEIFORM NUMERIC SIGN NIGIDAMIN
= 2 bariga
x (cuneiform sign dish - 12079)
+ x (cuneiform numeric sign two n08 - 1255A)
12457      CUNEIFORM NUMERIC SIGN NIGIDAESH
= 3 bariga
@ Area measures
12458      CUNEIFORM NUMERIC SIGN ONE ESHE3
+ x (cuneiform numeric sign one n22 - 1258C)
12459      CUNEIFORM NUMERIC SIGN TWO ESHE3
@ Fractions
1245A      CUNEIFORM NUMERIC SIGN ONE THIRD DISH
@@ -37775,13 +37806,19 @@ FFFF      <not a character>
1245D      CUNEIFORM NUMERIC SIGN ONE THIRD VARIANT FORM A
= 1/3 aš curved
= 1/3 diš curved
+ x (cuneiform numeric sign ninda2 times she plus one ash curved - 12598)
1245E      CUNEIFORM NUMERIC SIGN TWO THIRDS VARIANT FORM A
= 2/3 aš curved
= 2/3 diš curved
+ x (cuneiform numeric sign ninda2 times she plus two ash curved - 12599)
1245F      CUNEIFORM NUMERIC SIGN ONE EIGHTH ASH
= 1/8 iku
+ x (cuneiform numeric sign one eighth iku curved - 12587)
+ x (cuneiform numeric sign one eighth iku curved variant form - 12588)
12460      CUNEIFORM NUMERIC SIGN ONE QUARTER ASH
= 1/4 iku
+ x (cuneiform numeric sign one n01 reversed - 12589)
+ x (cuneiform numeric sign one quarter iku variant form - 1258A)
12461      CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE SIXTH
12462      CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE QUARTER
@ Capacity measures
@@ -38008,6 +38045,7 @@ FFFF      <not a character>
1253F      CUNEIFORM SIGN URU TIMES LAK-668
12540      CUNEIFORM SIGN URU TIMES LU3
12541      CUNEIFORM SIGN ZA7
+ x (cuneiform numeric sign two n08 - 1255A)
12542      CUNEIFORM SIGN ZU OVER ZU PLUS SAR
12543      CUNEIFORM SIGN ZUS TIMES THREE DISH TENU
@@ 12F90      Cypro-Minoan 12FFF
```

3.3 Properties

Change eight lines of UnicodeData.txt, adding numeric values, as follows. The eight affected characters are highlighted in pink in the charts appended to this document; note that these are exactly those characters in the Cuneiform block for which informative aliases are proposed. Attached: [UnicodeData.txt](#).

```
12038;CUNEIFORM SIGN ASH;Lo;0;L;;;;1;N;;;;;
12039;CUNEIFORM SIGN ASH ZIDA TENU;Lo;0;L;;;;1;N;;;;;
12079;CUNEIFORM SIGN DISH;Lo;0;L;;;;1;N;;;;;
12226;CUNEIFORM SIGN MASH;Lo;0;L;;;;1/2;N;;;;;
12228;CUNEIFORM SIGN MIN;Lo;0;L;;;;2;N;;;;;
1230B;CUNEIFORM SIGN U;Lo;0;L;;;;1;N;;;;;
1230D;CUNEIFORM SIGN U U U;Lo;0;L;;;;3;N;;;;;
12399;CUNEIFORM SIGN U U;Lo;0;L;;;;2;N;;;;;
```

References

ISO and Unicode documents

- [L2/24-210] R. Leroy, A. Pandey and S. Tinney. *Archaic cuneiform numerals*. 30th Sept. 2024.
UTC: [L2/24-210](#).

Online corpora and related projects

- [OSL] N. Veldhuis, S. Tinney et al., eds. *Oracc Sign List*. 2014–.
<http://oracc.org/osl/>.

Other documents

- [Tin19] S. Tinney. “ATF Inline Tutorial”. In: *Oracc: The Open Richly Annotated Cuneiform Corpus*. 18th Dec. 2019.
ORACC: [doc/help/editinginatf/primer/inlinetutorial/index.html](#).

	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	120A	120B	120C
0	𒂗	𒋩	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
1	𒂗	𒋩	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
2	𒂗	𒋩	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
3	𒂗	𒋩	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
4	𒂗	𒋩	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
5	𒂗	𒋩	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
6	𒂗	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
7	𒂗	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
8	𒂗	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
9	𒂗	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
A	𒋩	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
B	𒋩	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
C	𒋩	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
D	𒋩	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
E	𒋩	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪
F	𒋩	𒁕	𒋪	𒀭	𒋫	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪	𒋪

120D 120E 120F 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219

0 120D0	120E0	120FO	12100	12110	12120	12130	12140	12150	12160	12170	12180	12190
1 120D1	120E1	120F1	12101	12111	12121	12131	12141	12151	12161	12171	12181	12191
2 120D2	120E2	120F2	12102	12112	12122	12132	12142	12152	12162	12172	12182	12192
3 120D3	120E3	120F3	12103	12113	12123	12133	12143	12153	12163	12173	12183	12193
4 120D4	120E4	120F4	12104	12114	12124	12134	12144	12154	12164	12174	12184	12194
5 120D5	120E5	120F5	12105	12115	12125	12135	12145	12155	12165	12175	12185	12195
6 120D6	120E6	120F6	12106	12116	12126	12136	12146	12156	12166	12176	12186	12196
7 120D7	120E7	120F7	12107	12117	12127	12137	12147	12157	12167	12177	12187	12197
8 120D8	120E8	120F8	12108	12118	12128	12138	12148	12158	12168	12178	12188	12198
9 120D9	120E9	120F9	12109	12119	12129	12139	12149	12159	12169	12179	12189	12199
A 120DA	120EA	120FA	1210A	1211A	1212A	1213A	1214A	1215A	1216A	1217A	1218A	1219A
B 120DB	120EB	120FB	1210B	1211B	1212B	1213B	1214B	1215B	1216B	1217B	1218B	1219B
C 120DC	120EC	120FC	1210C	1211C	1212C	1213C	1214C	1215C	1216C	1217C	1218C	1219C
D 120DD	120ED	120FD	1210D	1211D	1212D	1213D	1214D	1215D	1216D	1217D	1218D	1219D
E 120DE	120EE	120FE	1210E	1211E	1212E	1213E	1214E	1215E	1216E	1217E	1218E	1219E
F 120DF	120EF	120FF	1210F	1211F	1212F	1213F	1214F	1215F	1216F	1217F	1218F	1219F

121A 121B 121C 121D 121E 121F 1220 1221 1222 1223 1224 1225 1226

0 121A0	121B0	121C0	121D0	121E0	121F0	12200	12210	12220	12230	12240	12250	12260
1 121A1	121B1	121C1	121D1	121E1	121F1	12201	12211	12221	12231	12241	12251	12261
2 121A2	121B2	121C2	121D2	121E2	121F2	12202	12212	12222	12232	12242	12252	12262
3 121A3	121B3	121C3	121D3	121E3	121F3	12203	12213	12223	12233	12243	12253	12263
4 121A4	121B4	121C4	121D4	121E4	121F4	12204	12214	12224	12234	12244	12254	12264
5 121A5	121B5	121C5	121D5	121E5	121F5	12205	12215	12225	12235	12245	12255	12265
6 121A6	121B6	121C6	121D6	121E6	121F6	12206	12216	12226	12236	12246	12256	12266
7 121A7	121B7	121C7	121D7	121E7	121F7	12207	12217	12227	12237	12247	12257	12267
8 121A8	121B8	121C8	121D8	121E8	121F8	12208	12218	12228	12238	12248	12258	12268
9 121A9	121B9	121C9	121D9	121E9	121F9	12209	12219	12229	12239	12249	12259	12269
A 121AA	121BA	121CA	121DA	121EA	121FA	1220A	1221A	1222A	1223A	1224A	1225A	1226A
B 121AB	121BB	121CB	121DB	121EB	121FB	1220B	1221B	1222B	1223B	1224B	1225B	1226B
C 121AC	121BC	121CC	121DC	121EC	121FC	1220C	1221C	1222C	1223C	1224C	1225C	1226C
D 121AD	121BD	121CD	121DD	121ED	121FD	1220D	1221D	1222D	1223D	1224D	1225D	1226D
E 121AE	121BE	121CE	121DE	121EE	121FE	1220E	1221E	1222E	1223E	1224E	1225E	1226E
F 121AF	121BF	121CF	121DF	121EF	121FF	1220F	1221F	1222F	1223F	1224F	1225F	1226F

1227 1228 1229 122A 122B 122C 122D 122E 122F 1230 1231 1232 1233

0 12270													
1 12271													
2 12272													
3 12273													
4 12274													
5 12275													
6 12276													
7 12277													
8 12278													
9 12279													
A 1227A													
B 1227B													
C 1227C													
D 1227D													
E 1227E													
F 1227F													

	1234	1235	1236	1237	1238	1239	123A	123B	123C	123D	123E	123F
0												
1												
2												
3												
4												
5												
6												
7												
8												
9												
A												
B												
C												
D												
E												
F												

Signs

12000	𒂔	CUNEIFORM SIGN A
12001	𒂕	CUNEIFORM SIGN A TIMES A
12002	𒂖	CUNEIFORM SIGN A TIMES BAD
12003	𒂗	CUNEIFORM SIGN A TIMES GAN2 TENU
12004	𒂘	CUNEIFORM SIGN A TIMES HA
12005	𒂙	CUNEIFORM SIGN A TIMES IGI
12006	𒂚	CUNEIFORM SIGN A TIMES LAGAR GUNU
12007	𒂛	CUNEIFORM SIGN A TIMES MUSH
12008	𒂜	CUNEIFORM SIGN A TIMES SAG
12009	𒂝	CUNEIFORM SIGN A2
1200A	𒂞	CUNEIFORM SIGN AB
1200B	𒂟	CUNEIFORM SIGN AB TIMES ASH2
1200C	𒂠	CUNEIFORM SIGN AB TIMES DUN3 GUNU
1200D	𒂡	CUNEIFORM SIGN AB TIMES GAL
1200E	𒂢	CUNEIFORM SIGN AB TIMES GAN2 TENU
1200F	𒂣	CUNEIFORM SIGN AB TIMES HA
12010	𒂤	CUNEIFORM SIGN AB TIMES IGI GUNU
12011	𒂥	CUNEIFORM SIGN AB TIMES IMIN
12012	𒂦	CUNEIFORM SIGN AB TIMES LAGAB
12013	𒂧	CUNEIFORM SIGN AB TIMES SHESH
12014	𒂩	CUNEIFORM SIGN AB TIMES U PLUS U PLUS U
12015	𒂪	CUNEIFORM SIGN AB GUNU
12016	𒂯	CUNEIFORM SIGN AB2
12017	𒂱	CUNEIFORM SIGN AB2 TIMES BALAG
12018	𒂲	CUNEIFORM SIGN AB2 TIMES GAN2 TENU
12019	𒂳	CUNEIFORM SIGN AB2 TIMES ME PLUS EN
1201A	𒂴	CUNEIFORM SIGN AB2 TIMES SHA3
1201B	𒂵	CUNEIFORM SIGN AB2 TIMES TAK4
1201C	𒂶	CUNEIFORM SIGN AD
1201D	𒂷	CUNEIFORM SIGN AK
1201E	𒂸	CUNEIFORM SIGN AK TIMES ERIN2
1201F	𒂹	CUNEIFORM SIGN AK TIMES SHITA PLUS GISH
12020	𒂺	CUNEIFORM SIGN AL
12021	𒂻	CUNEIFORM SIGN AL TIMES AL
12022	𒂼	CUNEIFORM SIGN AL TIMES DIM2
12023	𒂽	CUNEIFORM SIGN AL TIMES GISH
12024	𒂾	CUNEIFORM SIGN AL TIMES HA
12025	𒂿	CUNEIFORM SIGN AL TIMES KAD3
12026	𒂿	CUNEIFORM SIGN AL TIMES KI
12027	𒂿	CUNEIFORM SIGN AL TIMES SHE
12028	𒂿	CUNEIFORM SIGN AL TIMES USH
12029	𒂿	CUNEIFORM SIGN ALAN
1202A	𒂻	CUNEIFORM SIGN ALEPH
1202B	𒂻	CUNEIFORM SIGN AMAR
1202C	𒂻	CUNEIFORM SIGN AMAR TIMES SHE
1202D	𒂻	CUNEIFORM SIGN AN
1202E	𒂻	CUNEIFORM SIGN AN OVER AN
1202F	𒂻	CUNEIFORM SIGN AN THREE TIMES
12030	𒂻	CUNEIFORM SIGN AN PLUS NAGA OPPOSING AN PLUS NAGA
12031	𒂻	CUNEIFORM SIGN AN PLUS NAGA SQUARED
12032	𒂻	CUNEIFORM SIGN ANSHE
12033	𒂻	CUNEIFORM SIGN APIN
12034	𒂻	CUNEIFORM SIGN ARAD
12035	𒂻	CUNEIFORM SIGN ARAD TIMES KUR
12036	𒂻	CUNEIFORM SIGN ARKAB
12037	𒂻	CUNEIFORM SIGN ASAL2
12038	𒂻	CUNEIFORM SIGN ASH
	= 1 aš	
	→ 12400 ↵ cuneiform numeric sign two ash	
	→ 12550 ↵ cuneiform numeric sign one n01	
	→ 1264C □ cuneiform numeric sign one n01 flat	

12039	𒂻	CUNEIFORM SIGN ASH ZIDA TENU
	= 1 aš tenû	
	= 1 diš tenû	
	→ 1244A ↵ cuneiform numeric sign two ash tenu	
	= 1/2 iku	
	→ 12559 ↵ cuneiform numeric sign one n08	
	→ 1258B ܰ cuneiform numeric sign one half iku	
	curved variant form	
1203A	ܰ	CUNEIFORM SIGN ASH KABA TENU
1203B	ܰ	CUNEIFORM SIGN ASH OVER ASH TUG2 OVER TUG2 TUG2 OVER TUG2 PAP
1203C	ܰ	CUNEIFORM SIGN ASH OVER ASH OVER ASH
1203D	ܰ	CUNEIFORM SIGN ASH OVER ASH OVER ASH CROSSING ASH OVER ASH OVER ASH
1203E	ܰ	CUNEIFORM SIGN ASH2
	→ 12453 ܰ cuneiform numeric sign four ban2 variant form	
1203F	ܰ	CUNEIFORM SIGN ASHGAB
12040	ܰ	CUNEIFORM SIGN BA
12041	ܰ	CUNEIFORM SIGN BAD
12042	ܰ	CUNEIFORM SIGN BAG3
12043	ܰ	CUNEIFORM SIGN BAHAR2
12044	ܰ	CUNEIFORM SIGN BAL
12045	ܰ	CUNEIFORM SIGN BAL OVER BAL
12046	ܰ	CUNEIFORM SIGN BAI.AG
12047	ܰ	CUNEIFORM SIGN BAR
12048	ܰ	CUNEIFORM SIGN BARA2
12049	ܰ	CUNEIFORM SIGN BI
1204A	ܰ	CUNEIFORM SIGN BI TIMES A
1204B	ܰ	CUNEIFORM SIGN BI TIMES GAR
1204C	ܰ	CUNEIFORM SIGN BI TIMES IGI GUNU
1204D	ܰ	CUNEIFORM SIGN BU
1204E	ܰ	CUNEIFORM SIGN BU OVER BU AB
1204F	ܰ	CUNEIFORM SIGN BU OVER BU UN
12050	ܰ	CUNEIFORM SIGN BU CROSSING BU
12051	ܰ	CUNEIFORM SIGN BULUG
12052	ܰ	CUNEIFORM SIGN BULUG OVER BULUG
12053	ܰ	CUNEIFORM SIGN BUR
12054	ܰ	CUNEIFORM SIGN BUR2
12055	ܰ	CUNEIFORM SIGN DA
12056	ܰ	CUNEIFORM SIGN DAG
12057	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES A PLUS MASH
12058	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES AMAR
12059	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES BALAG
1205A	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES BI
1205B	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES GA
1205C	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES GA PLUS MASH
1205D	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES GI
1205E	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES GIR2
1205F	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES GUD
12060	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES HA
12061	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES IR
12062	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES IR PLUS LU
12063	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES KAK
12064	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES LA
12065	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES LU
12066	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES LU PLUS MASH2
12067	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES LUM
12068	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES NE
12069	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES PAP PLUS PAP
1206A	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES SI
1206B	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES TAK4
1206C	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES U2 PLUS GIR2
1206D	ܰ	CUNEIFORM SIGN DAG KISIM5 TIMES USH
1206E	ܰ	CUNEIFORM SIGN DAM
1206F	ܰ	CUNEIFORM SIGN DAR
12070	ܰ	CUNEIFORM SIGN DARAJ3

12071	☒ CUNEIFORM SIGN DARA4
12072	❖ CUNEIFORM SIGN DI
12073	☒ CUNEIFORM SIGN DIB
12074	❖ CUNEIFORM SIGN DIM
12075	❖ CUNEIFORM SIGN DIM TIMES SHE
12076	☒ CUNEIFORM SIGN DIM2
12077	❖ CUNEIFORM SIGN DIN
12078	❖ CUNEIFORM SIGN DIN KASKAL U GUNU DISH
12079	☒ CUNEIFORM SIGN DISH = 1 diš → 12408 𒌩 cuneiform numeric sign three dish → 12559 𒌦 cuneiform numeric sign one n08 → 12550 𒌦 cuneiform sign one n01 = 1 bariga → 12456 𒌪 cuneiform numeric sign nigidamin → 12457 𒌪 cuneiform numeric sign nigidaesh
1207A	☒ CUNEIFORM SIGN DU
1207B	☒ CUNEIFORM SIGN DU OVER DU
1207C	☒ CUNEIFORM SIGN DU GUNU
1207D	☒ CUNEIFORM SIGN DU SHESHIG
1207E	☒ CUNEIFORM SIGN DUB
1207F	☒ CUNEIFORM SIGN DUB TIMES ESH2
12080	☒ CUNEIFORM SIGN DUB2
12081	☒ CUNEIFORM SIGN DUG
12082	☒ CUNEIFORM SIGN DUGUD
12083	☒ CUNEIFORM SIGN DUH
12084	☒ CUNEIFORM SIGN DUN
12085	☒ CUNEIFORM SIGN DUN3
12086	☒ CUNEIFORM SIGN DUN3 GUNU
12087	☒ CUNEIFORM SIGN DUN3 GUNU GUNU
12088	☒ CUNEIFORM SIGN DUN4
12089	☒ CUNEIFORM SIGN DUR2
1208A	☒ CUNEIFORM SIGN E
1208B	☒ CUNEIFORM SIGN E TIMES PAP
1208C	☒ CUNEIFORM SIGN E OVER E NUN OVER NUN
1208D	☒ CUNEIFORM SIGN E2
1208E	☒ CUNEIFORM SIGN E2 TIMES A PLUS HA PLUS DA
1208F	☒ CUNEIFORM SIGN E2 TIMES GAR
12090	☒ CUNEIFORM SIGN E2 TIMES MI
12091	☒ CUNEIFORM SIGN E2 TIMES SAL
12092	☒ CUNEIFORM SIGN E2 TIMES SHE
12093	☒ CUNEIFORM SIGN E2 TIMES U
12094	❖ CUNEIFORM SIGN EDIN
12095	☒ CUNEIFORM SIGN EGIR
12096	☒ CUNEIFORM SIGN EL
12097	☒ CUNEIFORM SIGN EN
12098	☒ CUNEIFORM SIGN EN TIMES GAN2
12099	☒ CUNEIFORM SIGN EN TIMES GAN2 TENU
1209A	☒ CUNEIFORM SIGN EN TIMES ME
1209B	☒ CUNEIFORM SIGN EN CROSSING EN
1209C	☒ CUNEIFORM SIGN EN OPPOSING EN
1209D	☒ CUNEIFORM SIGN EN SQUARED
1209E	☒ CUNEIFORM SIGN EREN
1209F	☒ CUNEIFORM SIGN ERIN2
120A0	☒ CUNEIFORM SIGN ESH2
120A1	☒ CUNEIFORM SIGN EZEN
120A2	☒ CUNEIFORM SIGN EZEN TIMES A
120A3	☒ CUNEIFORM SIGN EZEN TIMES A PLUS LAL
120A4	☒ CUNEIFORM SIGN EZEN TIMES A PLUS LAL TIMES LAL
120A5	☒ CUNEIFORM SIGN EZEN TIMES AN
120A6	☒ CUNEIFORM SIGN EZEN TIMES BAD
120A7	☒ CUNEIFORM SIGN EZEN TIMES DUN3 GUNU
120A8	☒ CUNEIFORM SIGN EZEN TIMES DUN3 GUNU GUNU
120A9	☒ CUNEIFORM SIGN EZEN TIMES HA
120AA	☒ CUNEIFORM SIGN EZEN TIMES HA GUNU
120AB	☒ CUNEIFORM SIGN EZEN TIMES IGI GUNU
120AC	☒ CUNEIFORM SIGN EZEN TIMES KASKAL

120AD	☒ CUNEIFORM SIGN EZEN TIMES KASKAL SQUARED
120AE	☒ CUNEIFORM SIGN EZEN TIMES KU3
120AF	☒ CUNEIFORM SIGN EZEN TIMES LA
120B0	☒ CUNEIFORM SIGN EZEN TIMES LAL TIMES LAL
120B1	☒ CUNEIFORM SIGN EZEN TIMES LI
120B2	☒ CUNEIFORM SIGN EZEN TIMES LU
120B3	☒ CUNEIFORM SIGN EZEN TIMES U2
120B4	☒ CUNEIFORM SIGN EZEN TIMES UD
120B5	☒ CUNEIFORM SIGN GA
120B6	☒ CUNEIFORM SIGN GA GUNU
120B7	☒ CUNEIFORM SIGN GA2
120B8	☒ CUNEIFORM SIGN GA2 TIMES A PLUS DA PLUS HA
120B9	☒ CUNEIFORM SIGN GA2 TIMES A PLUS HA
120BA	☒ CUNEIFORM SIGN GA2 TIMES A PLUS IGI
120BB	☒ CUNEIFORM SIGN GA2 TIMES AB2 TENU PLUS TAB
120BC	☒ CUNEIFORM SIGN GA2 TIMES AN
120BD	☒ CUNEIFORM SIGN GA2 TIMES ASH
120BE	☒ CUNEIFORM SIGN GA2 TIMES ASH2 PLUS GAL
120BF	☒ CUNEIFORM SIGN GA2 TIMES BAD
120C0	☒ CUNEIFORM SIGN GA2 TIMES BAR PLUS RA
120C1	☒ CUNEIFORM SIGN GA2 TIMES BUR
120C2	☒ CUNEIFORM SIGN GA2 TIMES BUR PLUS RA
120C3	☒ CUNEIFORM SIGN GA2 TIMES DA
120C4	☒ CUNEIFORM SIGN GA2 TIMES DI
120C5	☒ CUNEIFORM SIGN GA2 TIMES DIM TIMES SHE
120C6	☒ CUNEIFORM SIGN GA2 TIMES DUB
120C7	☒ CUNEIFORM SIGN GA2 TIMES EL
120C8	☒ CUNEIFORM SIGN GA2 TIMES EL PLUS LA
120C9	☒ CUNEIFORM SIGN GA2 TIMES EN
120CA	☒ CUNEIFORM SIGN GA2 TIMES EN TIMES GAN2 TENU
120CB	☒ CUNEIFORM SIGN GA2 TIMES GAN2 TENU
120CC	☒ CUNEIFORM SIGN GA2 TIMES GAR
120CD	☒ CUNEIFORM SIGN GA2 TIMES GI
120CE	☒ CUNEIFORM SIGN GA2 TIMES GI4
120CF	☒ CUNEIFORM SIGN GA2 TIMES GI4 PLUS A
120D0	☒ CUNEIFORM SIGN GA2 TIMES GIR2 PLUS SU
120D1	☒ CUNEIFORM SIGN GA2 TIMES HA PLUS LU PLUS ESH2
120D2	☒ CUNEIFORM SIGN GA2 TIMES HAL
120D3	☒ CUNEIFORM SIGN GA2 TIMES HAL PLUS LA
120D4	☒ CUNEIFORM SIGN GA2 TIMES HI PLUS LI
120D5	☒ CUNEIFORM SIGN GA2 TIMES HUB2
120D6	☒ CUNEIFORM SIGN GA2 TIMES IGI GUNU
120D7	☒ CUNEIFORM SIGN GA2 TIMES ISH PLUS HU PLUS ASH
120D8	☒ CUNEIFORM SIGN GA2 TIMES KAK
120D9	☒ CUNEIFORM SIGN GA2 TIMES KASKAL
120DA	☒ CUNEIFORM SIGN GA2 TIMES KID
120DB	☒ CUNEIFORM SIGN GA2 TIMES KID PLUS LAL
120DC	☒ CUNEIFORM SIGN GA2 TIMES KU3 PLUS AN
120DD	☒ CUNEIFORM SIGN GA2 TIMES LA
120DE	☒ CUNEIFORM SIGN GA2 TIMES ME PLUS EN
120DF	☒ CUNEIFORM SIGN GA2 TIMES MI
120E0	☒ CUNEIFORM SIGN GA2 TIMES NUN
120E1	☒ CUNEIFORM SIGN GA2 TIMES NUN OVER NUN
120E2	☒ CUNEIFORM SIGN GA2 TIMES PA
120E3	☒ CUNEIFORM SIGN GA2 TIMES SAL
120E4	☒ CUNEIFORM SIGN GA2 TIMES SAR
120E5	☒ CUNEIFORM SIGN GA2 TIMES SHE
120E6	☒ CUNEIFORM SIGN GA2 TIMES SHE PLUS TUR
120E7	☒ CUNEIFORM SIGN GA2 TIMES SHID
120E8	☒ CUNEIFORM SIGN GA2 TIMES SUM
120E9	☒ CUNEIFORM SIGN GA2 TIMES TAK4
120EA	☒ CUNEIFORM SIGN GA2 TIMES U
120EB	☒ CUNEIFORM SIGN GA2 TIMES UD
120EC	☒ CUNEIFORM SIGN GA2 TIMES UD PLUS DU
120ED	☒ CUNEIFORM SIGN GA2 OVER GA2
120EE	☒ CUNEIFORM SIGN GABA
120EF	☒ CUNEIFORM SIGN GABA CROSSING GABA
120F0	☒ CUNEIFORM SIGN GAD
120F1	☒ CUNEIFORM SIGN GAD OVER GAD GAR OVER GAR
120F2	☒ CUNEIFORM SIGN GAL

120F3 ☰ CUNEIFORM SIGN GAL GAD OVER GAD GAR OVER GAR
 120F4 ☱ CUNEIFORM SIGN GALAM
 120F5 ☲ CUNEIFORM SIGN GAM
 120F6 ☳ CUNEIFORM SIGN GAN
 120F7 ☴ CUNEIFORM SIGN GAN2
 120F8 ☵ CUNEIFORM SIGN GAN2 TENU
 120F9 ☶ CUNEIFORM SIGN GAN2 OVER GAN2
 120FA ☷ CUNEIFORM SIGN GAN2 CROSSING GAN2
 120FB ☸ CUNEIFORM SIGN GAR
 120FC ☹ CUNEIFORM SIGN GAR3
 120FD ☺ CUNEIFORM SIGN GASHAN
 120FE ☻ CUNEIFORM SIGN GESHTIN
 120FF ☼ CUNEIFORM SIGN GESHTIN TIMES KUR
 12100 ☽ CUNEIFORM SIGN GI
 12101 ☾ CUNEIFORM SIGN GI TIMES E
 12102 ☿ CUNEIFORM SIGN GI TIMES U
 12103 ☽ CUNEIFORM SIGN GI CROSSING GI
 12104 ☽ CUNEIFORM SIGN GI4
 12105 ☽ CUNEIFORM SIGN GI4 OVER GI4
 12106 ☽ CUNEIFORM SIGN GI4 CROSSING GI4
 12107 ☽ CUNEIFORM SIGN GIDIM
 12108 ☽ CUNEIFORM SIGN GIR2
 12109 ☽ CUNEIFORM SIGN GIR2 GUNU
 1210A ☽ CUNEIFORM SIGN GIR3
 1210B ☽ CUNEIFORM SIGN GIR3 TIMES A PLUS IGI
 1210C ☽ CUNEIFORM SIGN GIR3 TIMES GAN2 TENU
 1210D ☽ CUNEIFORM SIGN GIR3 TIMES IGI
 1210E ☽ CUNEIFORM SIGN GIR3 TIMES LU PLUS IGI
 1210F ☽ CUNEIFORM SIGN GIR3 TIMES PA
 12110 ☽ CUNEIFORM SIGN GISAL
 12111 ☽ CUNEIFORM SIGN GISH
 12112 ☽ CUNEIFORM SIGN GISH CROSSING GISH
 12113 ☽ CUNEIFORM SIGN GISH TIMES BAD
 12114 ☽ CUNEIFORM SIGN GISH TIMES TAK4
 12115 ☽ CUNEIFORM SIGN GISH TENU
 12116 ☽ CUNEIFORM SIGN GU
 12117 ☽ CUNEIFORM SIGN GU CROSSING GU
 12118 ☽ CUNEIFORM SIGN GU2
 12119 ☽ CUNEIFORM SIGN GU2 TIMES KAK
 1211A ☽ CUNEIFORM SIGN GU2 TIMES KAK TIMES IGI GUNU
 1211B ☽ CUNEIFORM SIGN GU2 TIMES NUN
 1211C ☽ CUNEIFORM SIGN GU2 TIMES SAL PLUS TUG2
 1211D ☽ CUNEIFORM SIGN GU2 GUNU
 1211E ☽ CUNEIFORM SIGN GUD
 1211F ☽ CUNEIFORM SIGN GUD TIMES A PLUS KUR
 12120 ☽ CUNEIFORM SIGN GUD TIMES KUR
 12121 ☽ CUNEIFORM SIGN GUD OVER GUD LUGAL
 12122 ☽ CUNEIFORM SIGN GUL
 12123 ☽ CUNEIFORM SIGN GUM
 12124 ☽ CUNEIFORM SIGN GUM TIMES SHE
 12125 ☽ CUNEIFORM SIGN GUR
 12126 ☽ CUNEIFORM SIGN GUR7
 12127 ☽ CUNEIFORM SIGN GURUN
 12128 ☽ CUNEIFORM SIGN GURUSH
 12129 ☽ CUNEIFORM SIGN HA
 1212A ☽ CUNEIFORM SIGN HA TENU
 1212B ☽ CUNEIFORM SIGN HA GUNU
 1212C ☽ CUNEIFORM SIGN HAL
 1212D ☽ CUNEIFORM SIGN HI
 1212E ☽ CUNEIFORM SIGN HI TIMES ASH
 1212F ☽ CUNEIFORM SIGN HI TIMES ASH2
 12130 ☽ CUNEIFORM SIGN HI TIMES BAD
 12131 ☽ CUNEIFORM SIGN HI TIMES DISH
 12132 ☽ CUNEIFORM SIGN HI TIMES GAD
 12133 ☽ CUNEIFORM SIGN HI TIMES KIN
 12134 ☽ CUNEIFORM SIGN HI TIMES NUN
 12135 ☽ CUNEIFORM SIGN HI TIMES SHE
 12136 ☽ CUNEIFORM SIGN HI TIMES U
 12137 ☽ CUNEIFORM SIGN HU

12138 ☽ CUNEIFORM SIGN HUB2
 12139 ☽ CUNEIFORM SIGN HUB2 TIMES AN
 1213A ☽ CUNEIFORM SIGN HUB2 TIMES HAL
 1213B ☽ CUNEIFORM SIGN HUB2 TIMES KASKAL
 1213C ☽ CUNEIFORM SIGN HUB2 TIMES LISH
 1213D ☽ CUNEIFORM SIGN HUB2 TIMES UD
 1213E ☽ CUNEIFORM SIGN HUL2
 1213F ☽ CUNEIFORM SIGN I
 12140 ☽ CUNEIFORM SIGN IA
 12141 ☽ CUNEIFORM SIGN IB
 12142 ☽ CUNEIFORM SIGN IDIM
 12143 ☽ CUNEIFORM SIGN IDIM OVER IDIM BUR
 12144 ☽ CUNEIFORM SIGN IDIM OVER IDIM SQUARED
 12145 ☽ CUNEIFORM SIGN IG
 12146 ☽ CUNEIFORM SIGN IGI
 12147 ☽ CUNEIFORM SIGN IGI DIB
 12148 ☽ CUNEIFORM SIGN IGI RI
 12149 ☽ CUNEIFORM SIGN IGI OVER IGI SHIR OVER SHIR UD
 OVER UD
 1214A ☽ CUNEIFORM SIGN IGI GUNU
 1214B ☽ CUNEIFORM SIGN IL
 1214C ☽ CUNEIFORM SIGN IL TIMES GAN2 TENU
 1214D ☽ CUNEIFORM SIGN IL2
 1214E ☽ CUNEIFORM SIGN IM
 1214F ☽ CUNEIFORM SIGN IM TIMES TAK4
 12150 ☽ CUNEIFORM SIGN IM CROSSING IM
 12151 ☽ CUNEIFORM SIGN IM OPPOSING IM
 12152 ☽ CUNEIFORM SIGN IM SQUARED
 12153 ☽ CUNEIFORM SIGN IMIN
 12154 ☽ CUNEIFORM SIGN IN
 12155 ☽ CUNEIFORM SIGN IR
 12156 ☽ CUNEIFORM SIGN ISH
 12157 ☽ CUNEIFORM SIGN KA
 12158 ☽ CUNEIFORM SIGN KA TIMES A
 12159 ☽ CUNEIFORM SIGN KA TIMES AD
 1215A ☽ CUNEIFORM SIGN KA TIMES AD PLUS KU3
 1215B ☽ CUNEIFORM SIGN KA TIMES ASH2
 1215C ☽ CUNEIFORM SIGN KA TIMES BAD
 1215D ☽ CUNEIFORM SIGN KA TIMES BALAG
 1215E ☽ CUNEIFORM SIGN KA TIMES BAR
 1215F ☽ CUNEIFORM SIGN KA TIMES BI
 12160 ☽ CUNEIFORM SIGN KA TIMES ERIN2
 12161 ☽ CUNEIFORM SIGN KA TIMES ESH2
 12162 ☽ CUNEIFORM SIGN KA TIMES GA
 12163 ☽ CUNEIFORM SIGN KA TIMES GAL
 12164 ☽ CUNEIFORM SIGN KA TIMES GAN2 TENU
 12165 ☽ CUNEIFORM SIGN KA TIMES GAR
 12166 ☽ CUNEIFORM SIGN KA TIMES GAR PLUS SHA3 PLUS A
 12167 ☽ CUNEIFORM SIGN KA TIMES GI
 12168 ☽ CUNEIFORM SIGN KA TIMES GIR2
 12169 ☽ CUNEIFORM SIGN KA TIMES GISH PLUS SAR
 1216A ☽ CUNEIFORM SIGN KA TIMES GISH CROSSING GISH
 1216B ☽ CUNEIFORM SIGN KA TIMES GU
 1216C ☽ CUNEIFORM SIGN KA TIMES GUR7
 1216D ☽ CUNEIFORM SIGN KA TIMES IGI
 1216E ☽ CUNEIFORM SIGN KA TIMES IM
 1216F ☽ CUNEIFORM SIGN KA TIMES KAK
 12170 ☽ CUNEIFORM SIGN KA TIMES KI
 12171 ☽ CUNEIFORM SIGN KA TIMES KID
 12172 ☽ CUNEIFORM SIGN KA TIMES LI
 12173 ☽ CUNEIFORM SIGN KA TIMES LU
 12174 ☽ CUNEIFORM SIGN KA TIMES ME
 12175 ☽ CUNEIFORM SIGN KA TIMES ME PLUS DU
 12176 ☽ CUNEIFORM SIGN KA TIMES ME PLUS GI
 12177 ☽ CUNEIFORM SIGN KA TIMES ME PLUS TE
 12178 ☽ CUNEIFORM SIGN KA TIMES MI
 12179 ☽ CUNEIFORM SIGN KA TIMES MI PLUS NUNUZ
 1217A ☽ CUNEIFORM SIGN KA TIMES NE
 1217B ☽ CUNEIFORM SIGN KA TIMES NUN
 1217C ☽ CUNEIFORM SIGN KA TIMES PI

1217D ☰ CUNEIFORM SIGN KA TIMES RU
 1217E ☱ CUNEIFORM SIGN KA TIMES SA
 1217F ☲ CUNEIFORM SIGN KA TIMES SAR
 12180 ☳ CUNEIFORM SIGN KA TIMES SHA
 12181 ☴ CUNEIFORM SIGN KA TIMES SHE
 12182 ☵ CUNEIFORM SIGN KA TIMES SHID
 12183 ☶ CUNEIFORM SIGN KA TIMES SHU
 12184 ☷ CUNEIFORM SIGN KA TIMES SIG
 12185 ☸ CUNEIFORM SIGN KA TIMES SUHUR
 12186 ☹ CUNEIFORM SIGN KA TIMES TAR
 12187 ☺ CUNEIFORM SIGN KA TIMES U
 12188 ☻ CUNEIFORM SIGN KA TIMES U2
 12189 ☼ CUNEIFORM SIGN KA TIMES UD
 1218A ☽ CUNEIFORM SIGN KA TIMES UMUM TIMES PA
 1218B ☾ CUNEIFORM SIGN KA TIMES USH
 1218C ☿ CUNEIFORM SIGN KA TIMES ZI
 1218D ☾ CUNEIFORM SIGN KA2
 1218E ☽ CUNEIFORM SIGN KA2 CROSSING KA2
 1218F ☿ CUNEIFORM SIGN KAB
 12190 ☾ CUNEIFORM SIGN KAD2
 12191 ☽ CUNEIFORM SIGN KAD3
 12192 ☿ CUNEIFORM SIGN KAD4
 12193 ☽ CUNEIFORM SIGN KAD5
 12194 ☽ CUNEIFORM SIGN KAD5 OVER KAD5
 12195 ☽ CUNEIFORM SIGN KAK
 12196 ☽ CUNEIFORM SIGN KAK TIMES IGI GUNU
 12197 ☽ CUNEIFORM SIGN KAL
 12198 ☽ CUNEIFORM SIGN KAL TIMES BAD
 12199 ☽ CUNEIFORM SIGN KAL CROSSING KAL
 1219A ☽ CUNEIFORM SIGN KAM2
 1219B ☽ CUNEIFORM SIGN KAM4
 1219C ☽ CUNEIFORM SIGN KASKAL
 1219D ☽ CUNEIFORM SIGN KASKAL LAGAB TIMES U OVER LAGAB TIMES U
 1219E ☽ CUNEIFORM SIGN KASKAL OVER KASKAL LAGAB TIMES U OVER LAGAB TIMES U
 1219F ☽ CUNEIFORM SIGN KESH2
 121A0 ☽ CUNEIFORM SIGN KI
 121A1 ☽ CUNEIFORM SIGN KI TIMES BAD
 121A2 ☽ CUNEIFORM SIGN KI TIMES U
 121A3 ☽ CUNEIFORM SIGN KI TIMES UD
 121A4 ☽ CUNEIFORM SIGN KID
 121A5 ☽ CUNEIFORM SIGN KIN
 121A6 ☽ CUNEIFORM SIGN KISAL
 121A7 ☽ CUNEIFORM SIGN KISH
 121A8 ☽ CUNEIFORM SIGN KISIM5
 121A9 ☽ CUNEIFORM SIGN KISIM5 OVER KISIM5
 121AA ☽ CUNEIFORM SIGN KU
 121AB ☽ CUNEIFORM SIGN KU OVER HI TIMES ASH2 KU OVER HI TIMES ASH2
 121AC ☽ CUNEIFORM SIGN KU3
 121AD ☽ CUNEIFORM SIGN KU4
 121AE ☽ CUNEIFORM SIGN KU4 VARIANT FORM
 121AF ☽ CUNEIFORM SIGN KU7
 121B0 ☽ CUNEIFORM SIGN KUL
 121B1 ☽ CUNEIFORM SIGN KUL GUNU
 121B2 ☽ CUNEIFORM SIGN KUN
 121B3 ☽ CUNEIFORM SIGN KUR
 121B4 ☽ CUNEIFORM SIGN KUR OPPOSING KUR
 121B5 ☽ CUNEIFORM SIGN KUSHU2
 121B6 ☽ CUNEIFORM SIGN KWU318
 121B7 ☽ CUNEIFORM SIGN LA
 121B8 ☽ CUNEIFORM SIGN LAGAB
 121B9 ☽ CUNEIFORM SIGN LAGAB TIMES A
 121BA ☽ CUNEIFORM SIGN LAGAB TIMES A PLUS DA PLUS HA
 121BB ☽ CUNEIFORM SIGN LAGAB TIMES A PLUS GAR
 121BC ☽ CUNEIFORM SIGN LAGAB TIMES A PLUS LAL
 121BD ☽ CUNEIFORM SIGN LAGAB TIMES AL
 121BE ☽ CUNEIFORM SIGN LAGAB TIMES AN
 121BF ☽ CUNEIFORM SIGN LAGAB TIMES ASH ZIDA TENU
 121C0 ☽ CUNEIFORM SIGN LAGAB TIMES BAD

121C1 ☽ CUNEIFORM SIGN LAGAB TIMES BI
 121C2 ☽ CUNEIFORM SIGN LAGAB TIMES DAR
 121C3 ☽ CUNEIFORM SIGN LAGAB TIMES EN
 121C4 ☽ CUNEIFORM SIGN LAGAB TIMES GA
 121C5 ☽ CUNEIFORM SIGN LAGAB TIMES GAR
 121C6 ☽ CUNEIFORM SIGN LAGAB TIMES GUD
 121C7 ☽ CUNEIFORM SIGN LAGAB TIMES GUD PLUS GUD
 121C8 ☽ CUNEIFORM SIGN LAGAB TIMES HA
 121C9 ☽ CUNEIFORM SIGN LAGAB TIMES HAL
 121CA ☽ CUNEIFORM SIGN LAGAB TIMES HI TIMES NUN
 121CB ☽ CUNEIFORM SIGN LAGAB TIMES IGI GUNU
 121CC ☽ CUNEIFORM SIGN LAGAB TIMES IM
 121CD ☽ CUNEIFORM SIGN LAGAB TIMES IM PLUS HA
 121CE ☽ CUNEIFORM SIGN LAGAB TIMES IM PLUS LU
 121CF ☽ CUNEIFORM SIGN LAGAB TIMES KI
 121D0 ☽ CUNEIFORM SIGN LAGAB TIMES KIN
 121D1 ☽ CUNEIFORM SIGN LAGAB TIMES KU3
 121D2 ☽ CUNEIFORM SIGN LAGAB TIMES KUL
 121D3 ☽ CUNEIFORM SIGN LAGAB TIMES KUL PLUS HI PLUS A
 121D4 ☽ CUNEIFORM SIGN LAGAB TIMES LAGAB
 121D5 ☽ CUNEIFORM SIGN LAGAB TIMES LISH
 121D6 ☽ CUNEIFORM SIGN LAGAB TIMES LU
 121D7 ☽ CUNEIFORM SIGN LAGAB TIMES LUL
 121D8 ☽ CUNEIFORM SIGN LAGAB TIMES ME
 121D9 ☽ CUNEIFORM SIGN LAGAB TIMES ME PLUS EN
 121DA ☽ CUNEIFORM SIGN LAGAB TIMES MUSH
 121DB ☽ CUNEIFORM SIGN LAGAB TIMES NE
 121DC ☽ CUNEIFORM SIGN LAGAB TIMES SHE PLUS SUM
 121DD ☽ CUNEIFORM SIGN LAGAB TIMES SHITA PLUS GISH PLUS ERIN2
 121DE ☽ CUNEIFORM SIGN LAGAB TIMES SHITA PLUS GISH TENU
 121DF ☽ CUNEIFORM SIGN LAGAB TIMES SHU2
 121E0 ☽ CUNEIFORM SIGN LAGAB TIMES SHU2 PLUS SHU2
 121E1 ☽ CUNEIFORM SIGN LAGAB TIMES SUM
 121E2 ☽ CUNEIFORM SIGN LAGAB TIMES TAG
 121E3 ☽ CUNEIFORM SIGN LAGAB TIMES TAK4
 121E4 ☽ CUNEIFORM SIGN LAGAB TIMES TE PLUS A PLUS SU PLUS NA
 121E5 ☽ CUNEIFORM SIGN LAGAB TIMES U
 121E6 ☽ CUNEIFORM SIGN LAGAB TIMES U PLUS A
 121E7 ☽ CUNEIFORM SIGN LAGAB TIMES U PLUS U PLUS U
 121E8 ☽ CUNEIFORM SIGN LAGAB TIMES U2 PLUS ASH
 121E9 ☽ CUNEIFORM SIGN LAGAB TIMES UD
 121EA ☽ CUNEIFORM SIGN LAGAB TIMES USH
 121EB ☽ CUNEIFORM SIGN LAGAB SQUARED
 121EC ☽ CUNEIFORM SIGN LAGAR
 121ED ☽ CUNEIFORM SIGN LAGAR TIMES SHE
 121EE ☽ CUNEIFORM SIGN LAGAR TIMES SHE PLUS SUM
 121EF ☽ CUNEIFORM SIGN LAGAR GUNU
 121F0 ☽ CUNEIFORM SIGN LAGAR GUNU OVER LAGAR GUNU SHE
 121F1 ☽ CUNEIFORM SIGN LAHSHU
 121F2 ☽ CUNEIFORM SIGN LAL
 121F3 ☽ CUNEIFORM SIGN LAL TIMES LAL
 121F4 ☽ CUNEIFORM SIGN LAM
 121F5 ☽ CUNEIFORM SIGN LAM TIMES KUR
 121F6 ☽ CUNEIFORM SIGN LAM TIMES KUR PLUS RU
 121F7 ☽ CUNEIFORM SIGN LI
 121F8 ☽ CUNEIFORM SIGN LIL
 121F9 ☽ CUNEIFORM SIGN LIMMU2
 121FA ☽ CUNEIFORM SIGN LISH
 121FB ☽ CUNEIFORM SIGN LU
 121FC ☽ CUNEIFORM SIGN LU TIMES BAD
 121FD ☽ CUNEIFORM SIGN LU2
 121FE ☽ CUNEIFORM SIGN LU2 TIMES AL
 121FF ☽ CUNEIFORM SIGN LU2 TIMES BAD
 12200 ☽ CUNEIFORM SIGN LU2 TIMES ESH2
 12201 ☽ CUNEIFORM SIGN LU2 TIMES ESH2 TENU
 12202 ☽ CUNEIFORM SIGN LU2 TIMES GAN2 TENU
 12203 ☽ CUNEIFORM SIGN LU2 TIMES HI TIMES BAD

12204	☒ CUNEIFORM SIGN LU2 TIMES IM
12205	☒ CUNEIFORM SIGN LU2 TIMES KAD2
12206	☒ CUNEIFORM SIGN LU2 TIMES KAD3
12207	☒ CUNEIFORM SIGN LU2 TIMES KAD3 PLUS ASH
12208	☒ CUNEIFORM SIGN LU2 TIMES KI
12209	☒ CUNEIFORM SIGN LU2 TIMES LA PLUS ASH
1220A	☒ CUNEIFORM SIGN LU2 TIMES LAGAB
1220B	☒ CUNEIFORM SIGN LU2 TIMES ME PLUS EN
1220C	☒ CUNEIFORM SIGN LU2 TIMES NE
1220D	☒ CUNEIFORM SIGN LU2 TIMES NU
1220E	☒ CUNEIFORM SIGN LU2 TIMES SI PLUS ASH
1220F	☒ CUNEIFORM SIGN LU2 TIMES SIK2 PLUS BU
12210	☒ CUNEIFORM SIGN LU2 TIMES TUG2
12211	☒ CUNEIFORM SIGN LU2 TENU
12212	☒ CUNEIFORM SIGN LU2 CROSSING LU2
12213	☒ CUNEIFORM SIGN LU2 OPPOSING LU2
12214	☒ CUNEIFORM SIGN LU2 SQUARED
12215	☒ CUNEIFORM SIGN LU2 SHESHIG
12216	☒ CUNEIFORM SIGN LU3
12217	☒ CUNEIFORM SIGN LUGAL
12218	☒ CUNEIFORM SIGN LUGAL OVER LUGAL
12219	☒ CUNEIFORM SIGN LUGAL OPPOSING LUGAL
1221A	☒ CUNEIFORM SIGN LUGAL SHESHIG
1221B	☒ CUNEIFORM SIGN LUH
1221C	☒ CUNEIFORM SIGN LUL
1221D	☒ CUNEIFORM SIGN LUM
1221E	☒ CUNEIFORM SIGN LUM OVER LUM
1221F	☒ CUNEIFORM SIGN LUM OVER LUM GAR OVER GAR
12220	☒ CUNEIFORM SIGN MA
12221	☒ CUNEIFORM SIGN MA TIMES TAK4
12222	☒ CUNEIFORM SIGN MA GUNU
12223	☒ CUNEIFORM SIGN MA2
12224	☒ CUNEIFORM SIGN MAH
12225	☒ CUNEIFORM SIGN MAR
12226	☒ CUNEIFORM SIGN MASH = 1/2 diš → 1244F ✂ cuneiform numeric sign one ban2 • 12593 ✂ should be used for 1/2 aš curved → 12593 ✂ cuneiform numeric sign one ban2 curved
12227	☒ CUNEIFORM SIGN MASH2
12228	☒ CUNEIFORM SIGN ME
12229	☒ CUNEIFORM SIGN MES
1222A	☒ CUNEIFORM SIGN MI
1222B	☒ CUNEIFORM SIGN MIN = 2 diš → 12408 〽 cuneiform numeric sign three dish → 1255A 〽 cuneiform numeric sign two n08
1222C	☒ CUNEIFORM SIGN MU
1222D	☒ CUNEIFORM SIGN MU OVER MU
1222E	☒ CUNEIFORM SIGN MUG
1222F	☒ CUNEIFORM SIGN MUG GUNU
12230	☒ CUNEIFORM SIGN MUNSUB
12231	☒ CUNEIFORM SIGN MURGU2
12232	☒ CUNEIFORM SIGN MUSH
12233	☒ CUNEIFORM SIGN MUSH TIMES A
12234	☒ CUNEIFORM SIGN MUSH TIMES KUR
12235	☒ CUNEIFORM SIGN MUSH TIMES ZA
12236	☒ CUNEIFORM SIGN MUSH OVER MUSH
12237	☒ CUNEIFORM SIGN MUSH OVER MUSH TIMES A PLUS NA
12238	☒ CUNEIFORM SIGN MUSH CROSSING MUSH
12239	☒ CUNEIFORM SIGN MUSH3
1223A	☒ CUNEIFORM SIGN MUSH3 TIMES A
1223B	☒ CUNEIFORM SIGN MUSH3 TIMES A PLUS DI
1223C	☒ CUNEIFORM SIGN MUSH3 TIMES DI
1223D	☒ CUNEIFORM SIGN MUSH3 GUNU

1223E	☒ CUNEIFORM SIGN NA
1223F	☒ CUNEIFORM SIGN NA2
12240	☒ CUNEIFORM SIGN NAGA
12241	☒ CUNEIFORM SIGN NAGA INVERTED
12242	☒ CUNEIFORM SIGN NAGA TIMES SHU TENU
12243	☒ CUNEIFORM SIGN NAGA OPPOSING NAGA
12244	☒ CUNEIFORM SIGN NAGAR
12245	☒ CUNEIFORM SIGN NAM NUTILLU
12246	☒ CUNEIFORM SIGN NAM
12247	☒ CUNEIFORM SIGN NAM2
12248	☒ CUNEIFORM SIGN NE
12249	☒ CUNEIFORM SIGN NE TIMES A
1224A	☒ CUNEIFORM SIGN NE TIMES UD
1224B	☒ CUNEIFORM SIGN NE SHESHIG
1224C	☒ CUNEIFORM SIGN NI
1224D	☒ CUNEIFORM SIGN NI TIMES E
1224E	☒ CUNEIFORM SIGN NI2
1224F	☒ CUNEIFORM SIGN NIM
12250	☒ CUNEIFORM SIGN NIM TIMES GAN2 TENU
12251	☒ CUNEIFORM SIGN NIM TIMES GAR PLUS GAN2 TENU
12252	☒ CUNEIFORM SIGN NINDA2
12253	☒ CUNEIFORM SIGN NINDA2 TIMES AN
12254	☒ CUNEIFORM SIGN NINDA2 TIMES ASH
12255	☒ CUNEIFORM SIGN NINDA2 TIMES ASH PLUS ASH
12256	☒ CUNEIFORM SIGN NINDA2 TIMES GUD
12257	☒ CUNEIFORM SIGN NINDA2 TIMES ME PLUS GAN2 TENU
12258	☒ CUNEIFORM SIGN NINDA2 TIMES NE
12259	☒ CUNEIFORM SIGN NINDA2 TIMES NUN
1225A	☒ CUNEIFORM SIGN NINDA2 TIMES SHE
1225B	☒ CUNEIFORM SIGN NINDA2 TIMES SHE PLUS A AN
1225C	☒ CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH
1225D	☒ CUNEIFORM SIGN NINDA2 TIMES SHE PLUS ASH PLUS ASH
1225E	☒ CUNEIFORM SIGN NINDA2 TIMES U2 PLUS ASH
1225F	☒ CUNEIFORM SIGN NINDA2 TIMES USH
12260	☒ CUNEIFORM SIGN NISAG
12261	☒ CUNEIFORM SIGN NU
12262	☒ CUNEIFORM SIGN NU11
12263	☒ CUNEIFORM SIGN NUN
12264	☒ CUNEIFORM SIGN NUN LAGAR TIMES GAR
12265	☒ CUNEIFORM SIGN NUN LAGAR TIMES MASH
12266	☒ CUNEIFORM SIGN NUN LAGAR TIMES SAL
12267	☒ CUNEIFORM SIGN NUN LAGAR TIMES SAL OVER NUN LAGAR TIMES SAL
12268	☒ CUNEIFORM SIGN NUN LAGAR TIMES USH
12269	☒ CUNEIFORM SIGN NUN TENU
1226A	☒ CUNEIFORM SIGN NUN OVER NUN
1226B	☒ CUNEIFORM SIGN NUN CROSSING NUN
1226C	☒ CUNEIFORM SIGN NUN CROSSING NUN LAGAR OVER LAGAR
1226D	☒ CUNEIFORM SIGN NUNUZ
1226E	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES ASHGAB
1226F	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES BI
12270	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES DUG
12271	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES GUD
12272	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES IGI GUNU
12273	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES KAD3
12274	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES LA
12275	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES NE
12276	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES SILA3
12277	☒ CUNEIFORM SIGN NUNUZ AB2 TIMES U2
12278	☒ CUNEIFORM SIGN NUNUZ KISIM5 TIMES BI
12279	☒ CUNEIFORM SIGN NUNUZ KISIM5 TIMES BI U
1227A	☒ CUNEIFORM SIGN PA → 12450 〽 cuneiform numeric sign two ban2
1227B	☒ CUNEIFORM SIGN PAD
1227C	☒ CUNEIFORM SIGN PAN
1227D	☒ CUNEIFORM SIGN PAP
1227E	☒ CUNEIFORM SIGN PESH2
1227F	☒ CUNEIFORM SIGN PI

12280	●	CUNEIFORM SIGN PI TIMES A
12281	●	CUNEIFORM SIGN PI TIMES AB
12282	●	CUNEIFORM SIGN PI TIMES BI
12283	●	CUNEIFORM SIGN PI TIMES BU
12284	●	CUNEIFORM SIGN PI TIMES E
12285	●	CUNEIFORM SIGN PI TIMES I
12286	●	CUNEIFORM SIGN PI TIMES IB
12287	●	CUNEIFORM SIGN PI TIMES U
12288	●	CUNEIFORM SIGN PI TIMES U2
12289	●	CUNEIFORM SIGN PI CROSSING PI
1228A	●	CUNEIFORM SIGN PIRIG
1228B	●	CUNEIFORM SIGN PIRIG TIMES KAL
1228C	●	CUNEIFORM SIGN PIRIG TIMES UD
1228D	●	CUNEIFORM SIGN PIRIG TIMES ZA
1228E	●	CUNEIFORM SIGN PIRIG OPPOSING PIRIG
1228F	●	CUNEIFORM SIGN RA
12290	●	CUNEIFORM SIGN RAB
12291	●	CUNEIFORM SIGN RI
12292	●	CUNEIFORM SIGN RU
12293	●	CUNEIFORM SIGN SA
12294	●	CUNEIFORM SIGN SAG NUTILLU
12295	●	CUNEIFORM SIGN SAG
12296	●	CUNEIFORM SIGN SAG TIMES A
12297	●	CUNEIFORM SIGN SAG TIMES DU
12298	●	CUNEIFORM SIGN SAG TIMES DUB
12299	●	CUNEIFORM SIGN SAG TIMES HA
1229A	●	CUNEIFORM SIGN SAG TIMES KAK
1229B	●	CUNEIFORM SIGN SAG TIMES KUR
1229C	●	CUNEIFORM SIGN SAG TIMES LUM
1229D	●	CUNEIFORM SIGN SAG TIMES MI
1229E	●	CUNEIFORM SIGN SAG TIMES NUN
1229F	●	CUNEIFORM SIGN SAG TIMES SAL
122A0	●	CUNEIFORM SIGN SAG TIMES SHID
122A1	●	CUNEIFORM SIGN SAG TIMES TAB
122A2	●	CUNEIFORM SIGN SAG TIMES U2
122A3	●	CUNEIFORM SIGN SAG TIMES UB
122A4	●	CUNEIFORM SIGN SAG TIMES UM
122A5	●	CUNEIFORM SIGN SAG TIMES UR
122A6	●	CUNEIFORM SIGN SAG TIMES USH
122A7	●	CUNEIFORM SIGN SAG OVER SAG
122A8	●	CUNEIFORM SIGN SAG GUNU
122A9	▷	CUNEIFORM SIGN SAL
122AA	●	CUNEIFORM SIGN SAL LAGAB TIMES ASH2
122AB	●	CUNEIFORM SIGN SANGA2
122AC	●	CUNEIFORM SIGN SAR
122AD	●	CUNEIFORM SIGN SHA
122AE	❖	CUNEIFORM SIGN SHA3
122AF	❖	CUNEIFORM SIGN SHA3 TIMES A
122B0	❖	CUNEIFORM SIGN SHA3 TIMES BAD
122B1	❖	CUNEIFORM SIGN SHA3 TIMES GISH
122B2	❖	CUNEIFORM SIGN SHA3 TIMES NE
122B3	❖	CUNEIFORM SIGN SHA3 TIMES SHU2
122B4	❖	CUNEIFORM SIGN SHA3 TIMES TUR
122B5	❖	CUNEIFORM SIGN SHA3 TIMES U
122B6	❖	CUNEIFORM SIGN SHA3 TIMES U PLUS A
122B7	●	CUNEIFORM SIGN SHA6
122B8	●	CUNEIFORM SIGN SHAB6
122B9	●	CUNEIFORM SIGN SHAR2
	•	merges with 1212D ❖ in logographic use in all but the most archaizing texts
	•	the archaic reference glyph is formed by making a circular indentation with the end of the stylus
	=	1 šar ₂
	→	12423 ❖ cuneiform sign two shar2
	•	12579 ● should be used for numeric 1 šar ₂ curved
	→	12579 ● cuneiform sign one n45
122BA	●	CUNEIFORM SIGN SHE

122BB	●	CUNEIFORM SIGN SHE HU
122BC	●	CUNEIFORM SIGN SHE OVER SHE GAD OVER GAD GAR OVER GAR
122BD	●	CUNEIFORM SIGN SHE OVER SHE TAB OVER TAB GAR OVER GAR
122BE	●	CUNEIFORM SIGN SHEG9
122BF	●	CUNEIFORM SIGN SHEN
122C0	●	CUNEIFORM SIGN SHESH
122C1	●	CUNEIFORM SIGN SHESH2
122C2	●	CUNEIFORM SIGN SHESHLAM
122C3	●	CUNEIFORM SIGN SHID
122C4	●	CUNEIFORM SIGN SHID TIMES A
122C5	●	CUNEIFORM SIGN SHID TIMES IM
122C6	●	CUNEIFORM SIGN SHIM
122C7	●	CUNEIFORM SIGN SHIM TIMES A
122C8	●	CUNEIFORM SIGN SHIM TIMES BAL
122C9	●	CUNEIFORM SIGN SHIM TIMES BULUG
122CA	●	CUNEIFORM SIGN SHIM TIMES DIN
122CB	●	CUNEIFORM SIGN SHIM TIMES GAR
122CC	●	CUNEIFORM SIGN SHIM TIMES IGI
122CD	●	CUNEIFORM SIGN SHIM TIMES IGI GUNU
122CE	●	CUNEIFORM SIGN SHIM TIMES KUSHU2
122CF	●	CUNEIFORM SIGN SHIM TIMES LUL
122D0	●	CUNEIFORM SIGN SHIM TIMES MUG
122D1	●	CUNEIFORM SIGN SHIM TIMES SAL
122D2	●	CUNEIFORM SIGN SHINIG
122D3	❖	CUNEIFORM SIGN SHIR
122D4	❖	CUNEIFORM SIGN SHIR TENU
	✖	CUNEIFORM SIGN NU11 TENU
122D5	●	CUNEIFORM SIGN SHIR OVER SHIR BUR OVER BUR
	✖	CUNEIFORM SIGN NU11 OVER NU11 BUR OVER BUR
122D6	●	CUNEIFORM SIGN SHITA
122D7	●	CUNEIFORM SIGN SHU
122D8	●	CUNEIFORM SIGN SHU OVER INVERTED SHU
122D9	●	CUNEIFORM SIGN SHU2
122DA	●	CUNEIFORM SIGN SHUBUR
122DB	●	CUNEIFORM SIGN SI
122DC	●	CUNEIFORM SIGN SI GUNU
122DD	❖	CUNEIFORM SIGN SIG
122DE	❖	CUNEIFORM SIGN SIG4
122DF	❖	CUNEIFORM SIGN SIG4 OVER SIG4 SHU2
122E0	●	CUNEIFORM SIGN SIK2
122E1	●	CUNEIFORM SIGN SILA3
122E2	●	CUNEIFORM SIGN SU
122E3	●	CUNEIFORM SIGN SU OVER SU
122E4	❖	CUNEIFORM SIGN SUD
122E5	●	CUNEIFORM SIGN SUD2
122E6	●	CUNEIFORM SIGN SUHUR
122E7	●	CUNEIFORM SIGN SUM
122E8	●	CUNEIFORM SIGN SUMASH
122E9	●	CUNEIFORM SIGN SUR
122EA	●	CUNEIFORM SIGN SUR9
122EB	●	CUNEIFORM SIGN TA
122EC	●	CUNEIFORM SIGN TA ASTERISK
122ED	●	CUNEIFORM SIGN TA TIMES HI
122EE	●	CUNEIFORM SIGN TA TIMES MI
122EF	●	CUNEIFORM SIGN TA GUNU
122F0	●	CUNEIFORM SIGN TAB
122F1	●	CUNEIFORM SIGN TAB OVER TAB NI OVER NI DISH OVER DISH
122F2	●	CUNEIFORM SIGN TAB SQUARED
122F3	●	CUNEIFORM SIGN TAG
122F4	●	CUNEIFORM SIGN TAG TIMES BI
122F5	●	CUNEIFORM SIGN TAG TIMES GUD
122F6	●	CUNEIFORM SIGN TAG TIMES SHE
122F7	●	CUNEIFORM SIGN TAG TIMES SHU
122F8	●	CUNEIFORM SIGN TAG TIMES TUG2
122F9	●	CUNEIFORM SIGN TAG TIMES UD
122FA	●	CUNEIFORM SIGN TAK4

122FB	❖ CUNEIFORM SIGN TAR
122FC	❖ CUNEIFORM SIGN TE
122FD	❖ CUNEIFORM SIGN TE GUNU
122FE	❖ CUNEIFORM SIGN TI
122FF	❖ CUNEIFORM SIGN TI TENU
12300	❖ CUNEIFORM SIGN TIL
12301	❖ CUNEIFORM SIGN TIR
12302	❖ CUNEIFORM SIGN TIR TIMES TAK4
12303	❖ CUNEIFORM SIGN TIR OVER TIR
12304	❖ CUNEIFORM SIGN TIR OVER TIR GAD OVER GAD GAR OVER GAR
12305	❖ CUNEIFORM SIGN TU
12306	❖ CUNEIFORM SIGN TUG2
12307	❖ CUNEIFORM SIGN TUK
12308	❖ CUNEIFORM SIGN TUM
12309	❖ CUNEIFORM SIGN TUR
1230A	❖ CUNEIFORM SIGN TUR OVER TUR ZA OVER ZA
1230B	❖ CUNEIFORM SIGN U = 1 u = 1 bur ₃ → 1240F ❖ cuneiform numeric sign four u → 12562 • cuneiform numeric sign one n14 → 12656 ! cuneiform numeric sign one n14 flat
1230C	❖ CUNEIFORM SIGN U GUD
1230D	❖ CUNEIFORM SIGN U U U = 3 u = 3 bur ₃ → 1240F ❖ cuneiform numeric sign four u → 12564 ♦♦ cuneiform numeric sign three n14 → 12658 ! cuneiform numeric sign three n14 flat
1230E	❖ CUNEIFORM SIGN U OVER U PA OVER PA GAR OVER GAR
1230F	❖ CUNEIFORM SIGN U OVER U SUR OVER SUR
12310	❖ CUNEIFORM SIGN U OVER U U REVERSED OVER U REVERSED
12311	❖ CUNEIFORM SIGN U2
12312	❖ CUNEIFORM SIGN UB
12313	❖ CUNEIFORM SIGN UD
12314	❖ CUNEIFORM SIGN UD KUSHU2
12315	❖ CUNEIFORM SIGN UD TIMES BAD
12316	❖ CUNEIFORM SIGN UD TIMES MI
12317	❖ CUNEIFORM SIGN UD TIMES U PLUS U PLUS U
12318	❖ CUNEIFORM SIGN UD TIMES U PLUS U PLUS U GUNU
12319	❖ CUNEIFORM SIGN UD GUNU
1231A	❖ CUNEIFORM SIGN UD SHESHIG
1231B	❖ CUNEIFORM SIGN UD SHESHIG TIMES BAD
1231C	❖ CUNEIFORM SIGN UDUG
1231D	❖ CUNEIFORM SIGN UM
1231E	❖ CUNEIFORM SIGN UM TIMES LAGAB
1231F	❖ CUNEIFORM SIGN UM TIMES ME PLUS DA
12320	❖ CUNEIFORM SIGN UM TIMES SHA3
12321	❖ CUNEIFORM SIGN UM TIMES U
12322	❖ CUNEIFORM SIGN UMBIN
12323	❖ CUNEIFORM SIGN UMUM
12324	❖ CUNEIFORM SIGN UMUM TIMES KASKAL
12325	❖ CUNEIFORM SIGN UMUM TIMES PA
12326	❖ CUNEIFORM SIGN UN = kalam gunū • the names of this and the following sign incorrectly reflect the gunū relationship between them
12327	❖ CUNEIFORM SIGN UN GUNU ❖ CUNEIFORM SIGN KALAM
12328	❖ CUNEIFORM SIGN UR
12329	❖ CUNEIFORM SIGN UR CROSSING UR
1232A	❖ CUNEIFORM SIGN UR SHESHIG

1232B	❖ CUNEIFORM SIGN UR2
1232C	❖ CUNEIFORM SIGN UR2 TIMES A PLUS HA
1232D	❖ CUNEIFORM SIGN UR2 TIMES A PLUS NA
1232E	❖ CUNEIFORM SIGN UR2 TIMES AL
1232F	❖ CUNEIFORM SIGN UR2 TIMES HA
12330	❖ CUNEIFORM SIGN UR2 TIMES NUN
12331	❖ CUNEIFORM SIGN UR2 TIMES U2
12332	❖ CUNEIFORM SIGN UR2 TIMES U2 PLUS ASH
12333	❖ CUNEIFORM SIGN UR2 TIMES U2 PLUS BI
12334	❖ CUNEIFORM SIGN UR4
12335	❖ CUNEIFORM SIGN URI
12336	❖ CUNEIFORM SIGN UR13
12337	❖ CUNEIFORM SIGN URU
12338	❖ CUNEIFORM SIGN URU TIMES A
12339	❖ CUNEIFORM SIGN URU TIMES ASHGAB
1233A	❖ CUNEIFORM SIGN URU TIMES BAR
1233B	❖ CUNEIFORM SIGN URU TIMES DUN
1233C	❖ CUNEIFORM SIGN URU TIMES GA
1233D	❖ CUNEIFORM SIGN URU TIMES GAL
1233E	❖ CUNEIFORM SIGN URU TIMES GAN2 TENU
1233F	❖ CUNEIFORM SIGN URU TIMES GAR
12340	❖ CUNEIFORM SIGN URU TIMES GU
12341	❖ CUNEIFORM SIGN URU TIMES HA
12342	❖ CUNEIFORM SIGN URU TIMES IGI
12343	❖ CUNEIFORM SIGN URU TIMES IM
12344	❖ CUNEIFORM SIGN URU TIMES ISH
12345	❖ CUNEIFORM SIGN URU TIMES KI
12346	❖ CUNEIFORM SIGN URU TIMES LUM
12347	❖ CUNEIFORM SIGN URU TIMES MIN
12348	❖ CUNEIFORM SIGN URU TIMES PA
12349	❖ CUNEIFORM SIGN URU TIMES SHE
1234A	❖ CUNEIFORM SIGN URU TIMES SIG4
1234B	❖ CUNEIFORM SIGN URU TIMES TU
1234C	❖ CUNEIFORM SIGN URU TIMES U PLUS GUD
1234D	❖ CUNEIFORM SIGN URU TIMES UD
1234E	❖ CUNEIFORM SIGN URU TIMES URUDA
1234F	❖ CUNEIFORM SIGN URUDA
12350	❖ CUNEIFORM SIGN URUDA TIMES U
12351	❖ CUNEIFORM SIGN USH
12352	❖ CUNEIFORM SIGN USH TIMES A
12353	❖ CUNEIFORM SIGN USH TIMES KU
12354	❖ CUNEIFORM SIGN USH TIMES KUR
12355	❖ CUNEIFORM SIGN USH TIMES TAK4
12356	❖ CUNEIFORM SIGN USHX
12357	❖ CUNEIFORM SIGN USH2
12358	❖ CUNEIFORM SIGN USHUMX
12359	❖ CUNEIFORM SIGN UTUKI
1235A	❖ CUNEIFORM SIGN UZ3
1235B	❖ CUNEIFORM SIGN UZ3 TIMES KASKAL
1235C	❖ CUNEIFORM SIGN UZU
1235D	❖ CUNEIFORM SIGN ZA → 12409 ♦ cuneiform numeric sign four dish
1235E	❖ CUNEIFORM SIGN ZA TENU → 1244C ✕ cuneiform numeric sign four ash tenu
1235F	❖ CUNEIFORM SIGN ZA SQUARED TIMES KUR
12360	❖ CUNEIFORM SIGN ZAG
12361	❖ CUNEIFORM SIGN ZAMX
12362	❖ CUNEIFORM SIGN ZE2
12363	❖ CUNEIFORM SIGN ZI
12364	❖ CUNEIFORM SIGN ZI OVER ZI
12365	❖ CUNEIFORM SIGN ZI3
12366	❖ CUNEIFORM SIGN ZIB
12367	❖ CUNEIFORM SIGN ZIB KABA TENU
12368	❖ CUNEIFORM SIGN ZIG
12369	❖ CUNEIFORM SIGN ZIZ2
1236A	❖ CUNEIFORM SIGN ZU
1236B	❖ CUNEIFORM SIGN ZU5
1236C	❖ CUNEIFORM SIGN ZU5 TIMES A
1236D	❖ CUNEIFORM SIGN ZUBUR
1236E	❖ CUNEIFORM SIGN ZUM

Elamite sign

1236F 𒂔 CUNEIFORM SIGN KAP ELAMITE

Signs

- 12370 𒂔 CUNEIFORM SIGN AB TIMES NUN
 12371 𒂔 CUNEIFORM SIGN AB2 TIMES A
 12372 𒂔 CUNEIFORM SIGN AMAR TIMES KUG
 12373 𒂔 CUNEIFORM SIGN DAG KISIM5 TIMES U2 PLUS MASH
 12374 𒂔 CUNEIFORM SIGN DAG3
 12375 𒂔 CUNEIFORM SIGN DISH PLUS SHU
 12376 𒂔 CUNEIFORM SIGN DUB TIMES SHE
 12377 𒂔 CUNEIFORM SIGN EZEN TIMES GUD
 12378 𒂔 CUNEIFORM SIGN EZEN TIMES SHE
 12379 𒂔 CUNEIFORM SIGN GA2 TIMES AN PLUS KAK PLUS A
 1237A 𒂔 CUNEIFORM SIGN GA2 TIMES ASH2
 1237B 𒂔 CUNEIFORM SIGN GE22
 1237C 𒂔 CUNEIFORM SIGN GIG
 1237D 𒂔 CUNEIFORM SIGN HUSH
 1237E 𒂔 CUNEIFORM SIGN KA TIMES ANSHE
 1237F 𒂔 CUNEIFORM SIGN KA TIMES ASH3
 12380 𒂔 CUNEIFORM SIGN KA TIMES GISH
 12381 𒂔 CUNEIFORM SIGN KA TIMES GUD
 12382 𒂔 CUNEIFORM SIGN KA TIMES HI TIMES ASH2
 12383 𒂔 CUNEIFORM SIGN KA TIMES LUM
 12384 𒂔 CUNEIFORM SIGN KA TIMES PA
 12385 𒂔 CUNEIFORM SIGN KA TIMES SHUL
 12386 𒂔 CUNEIFORM SIGN KA TIMES TU
 12387 𒂔 CUNEIFORM SIGN KA TIMES UR2
 12388 𒂔 CUNEIFORM SIGN LAGAB TIMES GI
 12389 𒂔 CUNEIFORM SIGN LU2 SHESHIG TIMES BAD
 1238A 𒂔 CUNEIFORM SIGN LU2 TIMES ESH2 PLUS LAL
 1238B 𒂔 CUNEIFORM SIGN LU2 TIMES SHU
 1238C 𒂔 CUNEIFORM SIGN MESH
 1238D 𒂔 CUNEIFORM SIGN MUSH3 TIMES ZA
 1238E 𒂔 CUNEIFORM SIGN NA4
 1238F 𒂔 CUNEIFORM SIGN NIN
 12390 𒂔 CUNEIFORM SIGN NIN9
 12391 𒂔 CUNEIFORM SIGN NINDA2 TIMES BAL
 12392 𒂔 CUNEIFORM SIGN NINDA2 TIMES GI
 12393 𒂔 CUNEIFORM SIGN NU11 ROTATED NINETY DEGREES
 12394 𒂔 CUNEIFORM SIGN PESH2 ASTERISK
 12395 𒂔 CUNEIFORM SIGN PIR2
 12396 𒂔 CUNEIFORM SIGN SAG TIMES IGI GUNU
 12397 𒂔 CUNEIFORM SIGN TI2
 12398 𒂔 CUNEIFORM SIGN UM TIMES ME
 12399 𒂔 CUNEIFORM SIGN U U
 = 2 u
 = 2 bur₃
 → 1240F 𒂔 cuneiform numeric sign four u
 → 12563 𒂔 cuneiform numeric sign two n14
 → 12657 𒂔 cuneiform numeric sign two n14 flat

	1240	1241	1242	1243	1244	1245	1246	1247
0	▶	◁	▷	◇	≡	≠	↗	↙
1	▶▶	◁◁	▷▷	◇◇	≡≡	≠≠	↗↗	↙↖
2	▶▶▶	◁◁◁	▷▷▷	◇◇◇	≡≡≡	≠≠≠	↗↗↗	↙↖↖
3	▶▶▶▶	◁◁◁◁	▷▷▷▷	◇◇◇◇	≡≡≡≡	≠≠≠≠	↗↗↗↗	↙↖↖↖
4	▶▶▶▶▶	◁◁◁◁◁	▷▷▷▷▷	◇◇◇◇◇	≡≡≡≡≡	≠≠≠≠≠	↗↗↗↗↗	↙↖↖↖↖
5	▶▶▶▶▶▶	◁◁◁◁◁◁	▷▷▷▷▷▷	◇◇◇◇◇◇	≡≡≡≡≡≡	≠≠≠≠≠≠	↗↗↗↗↗↗	↙↖↖↖↖↖↖
6	▶▶▶▶▶▶▶	◁◁◁◁◁◁◁	▷▷▷▷▷▷▷	◇◇◇◇◇◇▷	≡≡≡≡≡≡≡	≠≠≠≠≠≠≠	↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖
7	▶▶▶▶▶▶▶▶	◁◁◁◁◁◁◁◁	▷▷▷▷▷▷▷▷	◇◇◇◇◇◇▷▷	≡≡≡≡≡≡≡≡	≠≠≠≠≠≠≠≠	↗↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖↖
8	▶▶▶▶▶▶▶▶▶	◁◁◁◁◁◁◁◁◁	▷▷▷▷▷▷▷▷▷	◇◇◇◇◇◇▷▷▷	≡≡≡≡≡≡≡≡≡	≠≠≠≠≠≠≠≠≠	↗↗↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖↖↖
9	▶▶▶▶▶▶▶▶▶▶	◁◁◁◁◁◁◁◁◁◁	▷▷▷▷▷▷▷▷▷▷	◇◇◇◇◇◇▷▷▷▷	≡≡≡≡≡≡≡≡≡≡	≠≠≠≠≠≠≠≠≠≠	↗↗↗↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖↖↖↖
A	▶▶▶▶▶▶▶▶▶▶▶	◁◁◁◁◁◁◁◁◁◁◁	▷▷▷▷▷▷▷▷▷▷▷	◇◇◇◇◇◇▷▷▷▷▷	≡≡≡≡≡≡≡≡≡≡≡	≠≠≠≠≠≠≠≠≠≠≠	↗↗↗↗↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖↖↖↖↖
B	▶▶▶▶▶▶▶▶▶▶▶▶	◁◁◁◁◁◁◁◁◁◁◁◁	▷▷▷▷▷▷▷▷▷▷▷▷	◇◇◇◇◇◇▷▷▷▷▷▷	≡≡≡≡≡≡≡≡≡≡≡≡	≠≠≠≠≠≠≠≠≠≠≠≠	↗↗↗↗↗↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖↖↖↖↖↖
C	▶▶▶▶▶▶▶▶▶▶▶▶▶	◁◁◁◁◁◁◁◁◁◁◁◁◁	▷▷▷▷▷▷▷▷▷▷▷▷▷	◇◇◇◇◇◇▷▷▷▷▷▷▷	≡≡≡≡≡≡≡≡≡≡≡≡≡	≠≠≠≠≠≠≠≠≠≠≠≠≠	↗↗↗↗↗↗↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖↖↖↖↖↖↖
D	▶▶▶▶▶▶▶▶▶▶▶▶▶▶	◁◁◁◁◁◁◁◁◁◁◁◁◁◁	▷▷▷▷▷▷▷▷▷▷▷▷▷▷	◇◇◇◇◇◇▷▷▷▷▷▷▷▷	≡≡≡≡≡≡≡≡≡≡≡≡≡≡	≠≠≠≠≠≠≠≠≠≠≠≠≠≠	↗↗↗↗↗↗↗↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖↖↖↖↖↖↖
E	▶▶▶▶▶▶▶▶▶▶▶▶▶▶▶	◁◁◁◁◁◁◁◁◁◁◁◁◁◁◁	▷▷▷▷▷▷▷▷▷▷▷▷▷▷▷	◇◇◇◇◇◇▷▷▷▷▷▷▷▷▷	≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡	≠≠≠≠≠≠≠≠≠≠≠≠≠≠≠	↗↗↗↗↗↗↗↗↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖↖↖↖↖↖↖
F	▶▶▶▶▶▶▶▶▶▶▶▶▶▶▶▶	◁◁◁◁◁◁◁◁◁◁◁◁◁◁◁◁	▷▷▷▷▷▷▷▷▷▷▷▷▷▷▷▷	◇◇◇◇◇◇▷▷▷▷▷▷▷▷▷▷	≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡≡	≠≠≠≠≠≠≠≠≠≠≠≠≠≠≠≠	↗↗↗↗↗↗↗↗↗↗↗↗↗↗↗↗	↙↖↖↖↖↖↖↖↖↖↖↖↖↖

Common numeric signs

Used in multiple metrological systems

12400	» CUNEIFORM NUMERIC SIGN TWO ASH = 2 iku → 12038 ← cuneiform sign ash → 12551 » cuneiform numeric sign two n01 → 1264D □ cuneiform numeric sign two n01 flat
12401	»» CUNEIFORM NUMERIC SIGN THREE ASH
12402	»» CUNEIFORM NUMERIC SIGN FOUR ASH
12403	»» CUNEIFORM NUMERIC SIGN FIVE ASH
12404	»» CUNEIFORM NUMERIC SIGN SIX ASH
12405	»» CUNEIFORM NUMERIC SIGN SEVEN ASH
12406	»» CUNEIFORM NUMERIC SIGN EIGHT ASH
12407	»» CUNEIFORM NUMERIC SIGN NINE ASH
12408	»»» CUNEIFORM NUMERIC SIGN THREE DISH → 12079 । cuneiform sign dish → 1222B ॥ cuneiform sign min → 12559 ◻ cuneiform numeric sign three n08
12409	»» CUNEIFORM NUMERIC SIGN FOUR DISH = 4 bariga
1240A	»» CUNEIFORM NUMERIC SIGN FIVE DISH
1240B	»» CUNEIFORM NUMERIC SIGN SIX DISH
1240C	»» CUNEIFORM NUMERIC SIGN SEVEN DISH
1240D	»» CUNEIFORM NUMERIC SIGN EIGHT DISH
1240E	»» CUNEIFORM NUMERIC SIGN NINE DISH
1240F	»» CUNEIFORM NUMERIC SIGN FOUR U = 4 bur ₃ → 1230B < cuneiform sign u → 12399 « cuneiform sign u u → 1230D «« cuneiform sign u u u → 12565 :: cuneiform numeric sign four n14 → 12659 II cuneiform numeric sign four n14 flat
12410	»» CUNEIFORM NUMERIC SIGN FIVE U
12411	»» CUNEIFORM NUMERIC SIGN SIX U
12412	»» CUNEIFORM NUMERIC SIGN SEVEN U
12413	»» CUNEIFORM NUMERIC SIGN EIGHT U
12414	»» CUNEIFORM NUMERIC SIGN NINE U
12415	» Y CUNEIFORM NUMERIC SIGN ONE GESH2 → 1256B ▷ cuneiform numeric sign one n34
12416	» Y CUNEIFORM NUMERIC SIGN TWO GESH2
12417	» Y Y CUNEIFORM NUMERIC SIGN THREE GESH2
12418	» Y Y CUNEIFORM NUMERIC SIGN FOUR GESH2
12419	» Y Y Y CUNEIFORM NUMERIC SIGN FIVE GESH2
1241A	» Y Y Y CUNEIFORM NUMERIC SIGN SIX GESH2
1241B	» Y Y Y Y CUNEIFORM NUMERIC SIGN SEVEN GESH2
1241C	» Y Y Y Y CUNEIFORM NUMERIC SIGN EIGHT GESH2
1241D	» Y Y Y Y CUNEIFORM NUMERIC SIGN NINE GESH2
1241E	» Y CUNEIFORM NUMERIC SIGN ONE GESU → 12574 » cuneiform numeric sign one n48
1241F	» Y CUNEIFORM NUMERIC SIGN TWO GESU
12420	» Y Y CUNEIFORM NUMERIC SIGN THREE GESU
12421	» Y Y CUNEIFORM NUMERIC SIGN FOUR GESU
12422	» Y Y CUNEIFORM NUMERIC SIGN FIVE GESU
12423	»» CUNEIFORM NUMERIC SIGN TWO SHAR2 → 122B9 ● cuneiform sign shar2 → 12579 ● cuneiform numeric sign two n45
12424	»» CUNEIFORM NUMERIC SIGN THREE SHAR2
12425	»» CUNEIFORM NUMERIC SIGN THREE SHAR2 VARIANT FORM

12426 ☰ CUNEIFORM NUMERIC SIGN FOUR SHAR2

12427 ☰ CUNEIFORM NUMERIC SIGN FIVE SHAR2

12428 ☰ CUNEIFORM NUMERIC SIGN SIX SHAR2

12429 ☰ CUNEIFORM NUMERIC SIGN SEVEN SHAR2

1242A ☰ CUNEIFORM NUMERIC SIGN EIGHT SHAR2

1242B ☰ CUNEIFORM NUMERIC SIGN NINE SHAR2

1242C ◇ CUNEIFORM NUMERIC SIGN ONE SHARU

→ 12582 ◉ cuneiform numeric sign one n50

1242D ◇◇ CUNEIFORM NUMERIC SIGN TWO SHARU

1242E ◇◇ CUNEIFORM NUMERIC SIGN THREE SHARU

1242F ◇◇ CUNEIFORM NUMERIC SIGN THREE SHARU VARIANT FORM

12430 ☰ CUNEIFORM NUMERIC SIGN FOUR SHARU

12431 ☰ CUNEIFORM NUMERIC SIGN FIVE SHARU

12432 ◇ CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS DISH

12433 ◇ CUNEIFORM NUMERIC SIGN SHAR2 TIMES GAL PLUS MIN

Area measures

12434	※ CUNEIFORM NUMERIC SIGN ONE BURU → 1258E ★ cuneiform numeric sign one buru curved → 12582 ◉ cuneiform numeric sign one n50
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12435 ☰ CUNEIFORM NUMERIC SIGN TWO BURU

12436 ☰ CUNEIFORM NUMERIC SIGN THREE BURU

12437 ☰ CUNEIFORM NUMERIC SIGN THREE BURU VARIANT FORM

12438 ☰ CUNEIFORM NUMERIC SIGN FOUR BURU

12439 ☰ CUNEIFORM NUMERIC SIGN FIVE BURU

Variant stacking patterns

1243A ≡ CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH16

1243B ≈ CUNEIFORM NUMERIC SIGN THREE VARIANT FORM ESH21

1243C ▽ CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU

1243D ≈ CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU4

1243E ▽▽ CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU A

1243F ▽▽ CUNEIFORM NUMERIC SIGN FOUR VARIANT FORM LIMMU B

12440 ≡≡ CUNEIFORM NUMERIC SIGN SIX VARIANT FORM ASH9

12441 ≡≡ CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN3

12442 ▽ CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN A

12443 ▽▽ CUNEIFORM NUMERIC SIGN SEVEN VARIANT FORM IMIN B

12444 ▽ CUNEIFORM NUMERIC SIGN EIGHT VARIANT FORM USSU

12445 ≡≡ CUNEIFORM NUMERIC SIGN EIGHT VARIANT FORM USSU3

12446 ≡ CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU

12447 ≡≡ CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU3

12448 ≈ CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU4

12449 ▽ CUNEIFORM NUMERIC SIGN NINE VARIANT FORM ILIMMU A

Slanted numerals

Used in multiple Early Dynastic metrological systems as well as Ur III dates and subtractive notations

1244A ◆ CUNEIFORM NUMERIC SIGN TWO ASH TENU

= 2 diš tenu

→ 12039 ↘ cuneiform sign ash zida tenu

- 1244B ☈ CUNEIFORM NUMERIC SIGN THREE ASH TENU
 1244C ☈ CUNEIFORM NUMERIC SIGN FOUR ASH TENU
 1244D ☈ CUNEIFORM NUMERIC SIGN FIVE ASH TENU
 1244E ☈ CUNEIFORM NUMERIC SIGN SIX ASH TENU

Capacity measures

1244F	✚ CUNEIFORM NUMERIC SIGN ONE BAN2	
	• 12226 ✚ should be used for 1/2 diš	
	→ 12226 ✚ cuneiform sign mash	
	→ 12593 ✚ cuneiform numeric sign one ban2 curved	
12450	✚ CUNEIFORM NUMERIC SIGN TWO BAN2	
12451	✚ CUNEIFORM NUMERIC SIGN THREE BAN2	
12452	✚ CUNEIFORM NUMERIC SIGN FOUR BAN2	
12453	✚ CUNEIFORM NUMERIC SIGN FOUR BAN2 VARIANT FORM	
12454	✚ CUNEIFORM NUMERIC SIGN FIVE BAN2	
12455	✚ CUNEIFORM NUMERIC SIGN FIVE BAN2 VARIANT FORM	
12456	✚ CUNEIFORM NUMERIC SIGN NIGIDAMIN	
	= 2 bariga	
	→ 12079 ✚ cuneiform sign dish	
	→ 1255A ✚ cuneiform numeric sign two n08	
12457	✚ CUNEIFORM NUMERIC SIGN NIGIDAESH	
	= 3 bariga	

Area measures

12458	✚ CUNEIFORM NUMERIC SIGN ONE ESHE3	
	→ 1258C ➤ cuneiform numeric sign one n22	

- 12459 ☈ CUNEIFORM NUMERIC SIGN TWO ESHE3

Fractions

1245A	✚ CUNEIFORM NUMERIC SIGN ONE THIRD DISH	
1245B	✚ CUNEIFORM NUMERIC SIGN TWO THIRDS DISH	
1245C	✚ CUNEIFORM NUMERIC SIGN FIVE SIXTHS DISH	
1245D	✚ CUNEIFORM NUMERIC SIGN ONE THIRD VARIANT FORM A	
	= 1/3 aš curved	
	= 1/3 diš curved	
	→ 12598 ➡ cuneiform numeric sign ninda2 times	
	she plus one ash curved	
1245E	✚ CUNEIFORM NUMERIC SIGN TWO THIRDS VARIANT FORM A	
	= 2/3 aš curved	
	= 2/3 diš curved	
	→ 12599 ➡ cuneiform numeric sign ninda2 times	
	she plus two ash curved	
1245F	✚ CUNEIFORM NUMERIC SIGN ONE EIGHTH ASH	
	= 1/8 iku	
	→ 12587 • cuneiform numeric sign one eighth iku	
	curved	
	→ 12588 ⚡ cuneiform numeric sign one eighth iku	
	curved variant form	
12460	✚ CUNEIFORM NUMERIC SIGN ONE QUARTER ASH	
	= 1/4 iku	
	→ 12589 ↛ cuneiform numeric sign one n01 reversed	
	→ 1258A ➞ cuneiform numeric sign one quarter iku	
	variant form	
12461	☞ CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE SIXTH	

- 12462 ☈ CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE QUARTER

Capacity measures

Used in Umma in the Ur III period with a gur of 4 bariga

12463	✚ CUNEIFORM NUMERIC SIGN ONE QUARTER GUR	
	= 1 bariga variant form	

12464	✚ CUNEIFORM NUMERIC SIGN ONE HALF GUR	
	= 2 bariga variant form	

• The sequence 12464 ✚ 12463 ✚ is used for 3/4 gur

Elamite fractions

12465	✚ CUNEIFORM NUMERIC SIGN ELAMITE ONE THIRD	
12466	✚ CUNEIFORM NUMERIC SIGN ELAMITE TWO THIRDS	

Elamite numeric signs

12467	☛ CUNEIFORM NUMERIC SIGN ELAMITE FORTY	
12468	☛ CUNEIFORM NUMERIC SIGN ELAMITE FIFTY	

Variant stacking patterns

12469	☚ CUNEIFORM NUMERIC SIGN FOUR U VARIANT FORM	
1246A	☚ CUNEIFORM NUMERIC SIGN FIVE U VARIANT FORM	
1246B	☚ CUNEIFORM NUMERIC SIGN SIX U VARIANT FORM	
1246C	☚ CUNEIFORM NUMERIC SIGN SEVEN U VARIANT FORM	
1246D	☚ CUNEIFORM NUMERIC SIGN EIGHT U VARIANT FORM	
1246E	☚ CUNEIFORM NUMERIC SIGN NINE U VARIANT FORM	

Punctuation

12470	✚ CUNEIFORM PUNCTUATION SIGN OLD ASSYRIAN WORD DIVIDER	
	→ 1039F ugaritic word divider	
	→ 103D0 old persian word divider	
12471	✚ CUNEIFORM PUNCTUATION SIGN VERTICAL COLON	
12472	✚ CUNEIFORM PUNCTUATION SIGN DIAGONAL COLON	
12473	✚ CUNEIFORM PUNCTUATION SIGN DIAGONAL TRICOLON	
12474	✚ CUNEIFORM PUNCTUATION SIGN DIAGONAL QUADCOLON	

1248	1249	124A	124B	124C	124D	124E	124F	1250	1251	1252	1253	1254
0 12480	12490	124A0	124B0	124C0	124D0	124E0	124F0	12500	12510	12520	12530	12540
1 12481	12491	124A1	124B1	124C1	124D1	124E1	124F1	12501	12511	12521	12531	12541
2 12482	12492	124A2	124B2	124C2	124D2	124E2	124F2	12502	12512	12522	12532	12542
3 12483	12493	124A3	124B3	124C3	124D3	124E3	124F3	12503	12513	12523	12533	12543
4 12484	12494	124A4	124B4	124C4	124D4	124E4	124F4	12504	12514	12524	12534	
5 12485	12495	124A5	124B5	124C5	124D5	124E5	124F5	12505	12515	12525	12535	
6 12486	12496	124A6	124B6	124C6	124D6	124E6	124F6	12506	12516	12526	12536	
7 12487	12497	124A7	124B7	124C7	124D7	124E7	124F7	12507	12517	12527	12537	
8 12488	12498	124A8	124B8	124C8	124D8	124E8	124F8	12508	12518	12528	12538	
9 12489	12499	124A9	124B9	124C9	124D9	124E9	124F9	12509	12519	12529	12539	
A 1248A	1249A	124AA	124BA	124CA	124DA	124EA	124FA	1250A	1251A	1252A	1253A	
B 1248B	1249B	124AB	124BB	124CB	124DB	124EB	124FB	1250B	1251B	1252B	1253B	
C 1248C	1249C	124AC	124BC	124CC	124DC	124EC	124FC	1250C	1251C	1252C	1253C	
D 1248D	1249D	124AD	124BD	124CD	124DD	124ED	124FD	1250D	1251D	1252D	1253D	
E 1248E	1249E	124AE	124BE	124CE	124DE	124EE	124FE	1250E	1251E	1252E	1253E	
F 1248F	1249F	124AF	124BF	124CF	124DF	124EF	124FF	1250F	1251F	1252F	1253F	

Signs

12480 CUNEIFORM SIGN AB TIMES NUN TENU
 12481 CUNEIFORM SIGN AB TIMES SHU2
 12482 CUNEIFORM SIGN AD TIMES ESH2
 12483 CUNEIFORM SIGN BAD TIMES DISH TENU
 12484 CUNEIFORM SIGN BAHAR2 TIMES AB2
 12485 CUNEIFORM SIGN BAHAR2 TIMES NI
 12486 CUNEIFORM SIGN BAHAR2 TIMES ZA
 12487 CUNEIFORM SIGN BU OVER BU TIMES NA2
 12488 CUNEIFORM SIGN DA TIMES TAK4
 12489 CUNEIFORM SIGN DAG TIMES KUR
 1248A CUNEIFORM SIGN DIM TIMES IGI
 1248B CUNEIFORM SIGN DIM TIMES U U U
 1248C CUNEIFORM SIGN DIM2 TIMES UD
 1248D CUNEIFORM SIGN DUG TIMES ANSHE
 1248E CUNEIFORM SIGN DUG TIMES ASH
 1248F CUNEIFORM SIGN DUG TIMES ASH AT LEFT
 12490 CUNEIFORM SIGN DUG TIMES DIN
 12491 CUNEIFORM SIGN DUG TIMES DUN
 12492 CUNEIFORM SIGN DUG TIMES ERIN2
 12493 CUNEIFORM SIGN DUG TIMES GA
 12494 CUNEIFORM SIGN DUG TIMES GI
 12495 CUNEIFORM SIGN DUG TIMES GIR2 GUNU
 12496 CUNEIFORM SIGN DUG TIMES GISH
 12497 CUNEIFORM SIGN DUG TIMES HA
 12498 CUNEIFORM SIGN DUG TIMES HI
 12499 CUNEIFORM SIGN DUG TIMES IGI GUNU
 1249A CUNEIFORM SIGN DUG TIMES KASKAL
 1249B CUNEIFORM SIGN DUG TIMES KUR
 1249C CUNEIFORM SIGN DUG TIMES KUSHU2
 1249D CUNEIFORM SIGN DUG TIMES KUSHU2 PLUS KASKAL
 1249E CUNEIFORM SIGN DUG TIMES LAK-020
 1249F CUNEIFORM SIGN DUG TIMES LAM
 124A0 CUNEIFORM SIGN DUG TIMES LAM TIMES KUR
 124A1 CUNEIFORM SIGN DUG TIMES LUH PLUS GISH
 124A2 CUNEIFORM SIGN DUG TIMES MASH
 124A3 CUNEIFORM SIGN DUG TIMES MES
 124A4 CUNEIFORM SIGN DUG TIMES MI
 124A5 CUNEIFORM SIGN DUG TIMES NI
 124A6 CUNEIFORM SIGN DUG TIMES PI
 124A7 CUNEIFORM SIGN DUG TIMES SHE
 124A8 CUNEIFORM SIGN DUG TIMES SI GUNU
 124A9 CUNEIFORM SIGN E2 TIMES KUR
 124AA CUNEIFORM SIGN E2 TIMES PAP
 124AB CUNEIFORM SIGN ERIN2 X
 124AC CUNEIFORM SIGN ESH2 CROSSING ESH2
 124AD CUNEIFORM SIGN EZEN SHESHIG TIMES ASH
 124AE CUNEIFORM SIGN EZEN SHESHIG TIMES HI
 124AF CUNEIFORM SIGN EZEN SHESHIG TIMES IGI GUNU
 124B0 CUNEIFORM SIGN EZEN SHESHIG TIMES LA
 124B1 CUNEIFORM SIGN EZEN SHESHIG TIMES LAL
 124B2 CUNEIFORM SIGN EZEN SHESHIG TIMES ME
 124B3 CUNEIFORM SIGN EZEN SHESHIG TIMES MES
 124B4 CUNEIFORM SIGN EZEN SHESHIG TIMES SU
 124B5 CUNEIFORM SIGN EZEN TIMES SU
 124B6 CUNEIFORM SIGN GA2 TIMES BAHAR2
 124B7 CUNEIFORM SIGN GA2 TIMES DIM GUNU
 124B8 CUNEIFORM SIGN GA2 TIMES DUG TIMES IGI GUNU
 124B9 CUNEIFORM SIGN GA2 TIMES DUG TIMES KASKAL
 124BA CUNEIFORM SIGN GA2 TIMES EREN
 124BB CUNEIFORM SIGN GA2 TIMES GA
 124BC CUNEIFORM SIGN GA2 TIMES GAR PLUS DI
 124BD CUNEIFORM SIGN GA2 TIMES GAR PLUS NE
 124BE CUNEIFORM SIGN GA2 TIMES HA PLUS A
 124BF CUNEIFORM SIGN GA2 TIMES KUSHU2 PLUS KASKAL
 124C0 CUNEIFORM SIGN GA2 TIMES LAM
 124C1 CUNEIFORM SIGN GA2 TIMES LAM TIMES KUR
 124C2 CUNEIFORM SIGN GA2 TIMES LUH
 124C3 CUNEIFORM SIGN GA2 TIMES MUSH

124C4 CUNEIFORM SIGN GA2 TIMES NE
 124C5 CUNEIFORM SIGN GA2 TIMES NE PLUS E2
 124C6 CUNEIFORM SIGN GA2 TIMES NE PLUS GI
 124C7 CUNEIFORM SIGN GA2 TIMES SHIM
 124C8 CUNEIFORM SIGN GA2 TIMES ZIZZ
 124C9 CUNEIFORM SIGN GABA ROTATED NINETY DEGREES
 124CA CUNEIFORM SIGN GESHTIN TIMES U
 124CB CUNEIFORM SIGN GISH TIMES GISH CROSSING GISH
 124CC CUNEIFORM SIGN GU2 TIMES IGI GUNU
 124CD CUNEIFORM SIGN GUD PLUS GISH TIMES TAK4
 124CE CUNEIFORM SIGN HA TENU GUNU
 124CF CUNEIFORM SIGN HI TIMES ASH OVER HI TIMES ASH
 124D0 CUNEIFORM SIGN KA TIMES BU
 124D1 CUNEIFORM SIGN KA TIMES KA
 124D2 CUNEIFORM SIGN KA TIMES U U U
 124D3 CUNEIFORM SIGN KA TIMES UR
 124D4 CUNEIFORM SIGN LAGAB TIMES ZU OVER ZU
 124D5 CUNEIFORM SIGN LAK-003
 124D6 CUNEIFORM SIGN LAK-021
 124D7 CUNEIFORM SIGN LAK-025
 124D8 CUNEIFORM SIGN LAK-030
 124D9 CUNEIFORM SIGN LAK-050
 124DA CUNEIFORM SIGN LAK-051
 124DB CUNEIFORM SIGN LAK-062
 124DC CUNEIFORM SIGN LAK-079 OVER LAK-079 GUNU
 124DD CUNEIFORM SIGN LAK-080
 124DE CUNEIFORM SIGN LAK-081 OVER LAK-081
 124DF CUNEIFORM SIGN LAK-092
 124E0 CUNEIFORM SIGN LAK-130
 124E1 CUNEIFORM SIGN LAK-142
 124E2 CUNEIFORM SIGN LAK-210
 124E3 CUNEIFORM SIGN LAK-219
 124E4 CUNEIFORM SIGN LAK-220
 124E5 CUNEIFORM SIGN LAK-225
 124E6 CUNEIFORM SIGN LAK-228
 124E7 CUNEIFORM SIGN LAK-238
 124E8 CUNEIFORM SIGN LAK-265
 124E9 CUNEIFORM SIGN LAK-266
 124EA CUNEIFORM SIGN LAK-343
 124EB CUNEIFORM SIGN LAK-347
 124EC CUNEIFORM SIGN LAK-348
 124ED CUNEIFORM SIGN LAK-383
 124EE CUNEIFORM SIGN LAK-384
 124EF CUNEIFORM SIGN LAK-390
 124F0 CUNEIFORM SIGN LAK-441
 124F1 CUNEIFORM SIGN LAK-449
 124F2 CUNEIFORM SIGN LAK-449 TIMES GU
 124F3 CUNEIFORM SIGN LAK-449 TIMES IGI
 124F4 CUNEIFORM SIGN LAK-449 TIMES PAP PLUS LU3
 124F5 CUNEIFORM SIGN LAK-449 TIMES PAP PLUS PAP PLUS LU3
 124F6 CUNEIFORM SIGN LAK-449 TIMES U2 PLUS BA
 124F7 CUNEIFORM SIGN LAK-450
 124F8 CUNEIFORM SIGN LAK-457
 124F9 CUNEIFORM SIGN LAK-470
 124FA CUNEIFORM SIGN LAK-483
 124FB CUNEIFORM SIGN LAK-490
 124FC CUNEIFORM SIGN LAK-492
 124FD CUNEIFORM SIGN LAK-493
 124FE CUNEIFORM SIGN LAK-495
 124FF CUNEIFORM SIGN LAK-550
 12500 CUNEIFORM SIGN LAK-608
 12501 CUNEIFORM SIGN LAK-617
 12502 CUNEIFORM SIGN LAK-617 TIMES ASH
 12503 CUNEIFORM SIGN LAK-617 TIMES BAD
 12504 CUNEIFORM SIGN LAK-617 TIMES DUN3 GUNU GUNU
 12505 CUNEIFORM SIGN LAK-617 TIMES KU3
 12506 CUNEIFORM SIGN LAK-617 TIMES LA
 12507 CUNEIFORM SIGN LAK-617 TIMES TAR
 12508 CUNEIFORM SIGN LAK-617 TIMES TE

- 12509 CUNEIFORM SIGN LAK-617 TIMES U2
 1250A CUNEIFORM SIGN LAK-617 TIMES UD
 1250B CUNEIFORM SIGN LAK-617 TIMES URUDA
 1250C CUNEIFORM SIGN LAK-636
 1250D CUNEIFORM SIGN LAK-648
 1250E CUNEIFORM SIGN LAK-648 TIMES DUB
 1250F CUNEIFORM SIGN LAK-648 TIMES GA
 12510 CUNEIFORM SIGN LAK-648 TIMES IGI
 12511 CUNEIFORM SIGN LAK-648 TIMES IGI GUNU
 12512 CUNEIFORM SIGN LAK-648 TIMES NI
 12513 CUNEIFORM SIGN LAK-648 TIMES PAP PLUS PAP PLUS LU3
 12514 CUNEIFORM SIGN LAK-648 TIMES SHESH PLUS KI
 12515 CUNEIFORM SIGN LAK-648 TIMES UD
 12516 CUNEIFORM SIGN LAK-648 TIMES URUDA
 12517 CUNEIFORM SIGN LAK-724
 12518 CUNEIFORM SIGN LAK-749
 12519 CUNEIFORM SIGN LU2 GUNU TIMES ASH
 1251A CUNEIFORM SIGN LU2 TIMES DISH
 1251B CUNEIFORM SIGN LU2 TIMES HAL
 1251C CUNEIFORM SIGN LU2 TIMES PAP
 1251D CUNEIFORM SIGN LU2 TIMES PAP PLUS PAP PLUS LU3
 1251E CUNEIFORM SIGN LU2 TIMES TAK4
 1251F CUNEIFORM SIGN MI PLUS ZA7
 12520 CUNEIFORM SIGN MUSH OVER MUSH TIMES GA
 12521 CUNEIFORM SIGN MUSH OVER MUSH TIMES KAK
 12522 CUNEIFORM SIGN NINDA2 TIMES DIM GUNU
 12523 CUNEIFORM SIGN NINDA2 TIMES GISH
 12524 CUNEIFORM SIGN NINDA2 TIMES GUL
 12525 CUNEIFORM SIGN NINDA2 TIMES HI
 12526 CUNEIFORM SIGN NINDA2 TIMES KESH2
 12527 CUNEIFORM SIGN NINDA2 TIMES LAK-050
 12528 CUNEIFORM SIGN NINDA2 TIMES MASH
 12529 CUNEIFORM SIGN NINDA2 TIMES PAP PLUS PAP
 1252A CUNEIFORM SIGN NINDA2 TIMES U
 1252B CUNEIFORM SIGN NINDA2 TIMES U PLUS U
 1252C CUNEIFORM SIGN NINDA2 TIMES URUDA
 1252D CUNEIFORM SIGN SAG GUNU TIMES HA
 1252E CUNEIFORM SIGN SAG TIMES EN
 1252F CUNEIFORM SIGN SAG TIMES SHE AT LEFT
 12530 CUNEIFORM SIGN SAG TIMES TAK4
 12531 CUNEIFORM SIGN SHA6 TENU
 12532 CUNEIFORM SIGN SHE OVER SHE
 12533 CUNEIFORM SIGN SHE PLUS HUB2
 12534 CUNEIFORM SIGN SHE PLUS NAM2
 12535 CUNEIFORM SIGN SHE PLUS SAR
 12536 CUNEIFORM SIGN SHU2 PLUS DUG TIMES NI
 12537 CUNEIFORM SIGN SHU2 PLUS E2 TIMES AN
 12538 CUNEIFORM SIGN SI TIMES TAK4
 12539 CUNEIFORM SIGN TAK4 PLUS SAG
 1253A CUNEIFORM SIGN TUM TIMES GAN2 TENU
 1253B CUNEIFORM SIGN TUM TIMES THREE DISH
 1253C CUNEIFORM SIGN UR2 INVERTED
 1253D CUNEIFORM SIGN UR2 TIMES UD
 1253E CUNEIFORM SIGN URU TIMES DARA3
 1253F CUNEIFORM SIGN URU TIMES LAK-668
 12540 CUNEIFORM SIGN URU TIMES LU3
 12541 CUNEIFORM SIGN ZA7

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- 12542 CUNEIFORM SIGN ZU OVER ZU PLUS SAR
 12543 CUNEIFORM SIGN ZU5 TIMES THREE DISH TENU