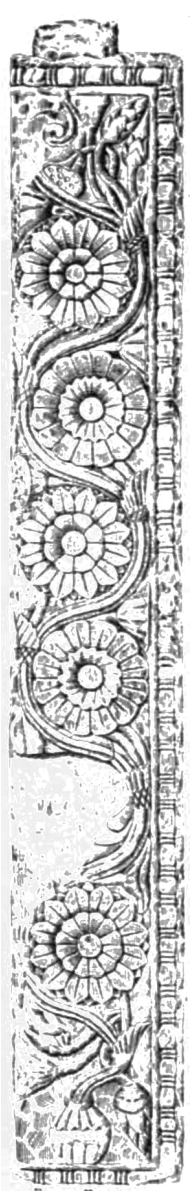


शिखागोविश्वविद्यालये

प्रारम्भिकसंस्कृतम्

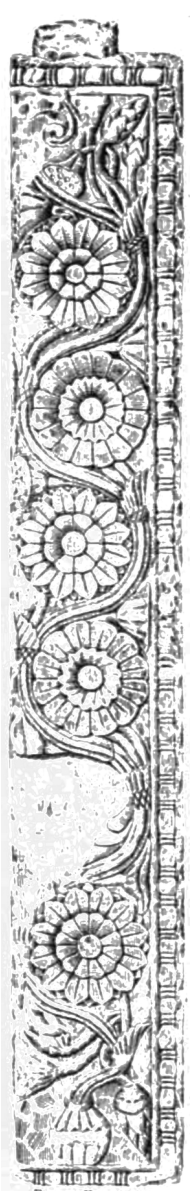
FIRST-YEAR SANSKRIT

AT THE UNIVERSITY OF CHICAGO

CC BY SA

अल्लटाचार्योद्भावितः पाठक्रमः

Designed by Andrew Ollett



NUMERALS

saṅkhyā सङ्ख्या

॥वृद्धिः॥
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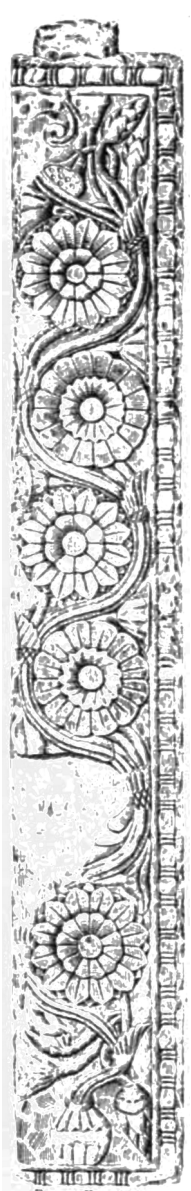


NUMERALS

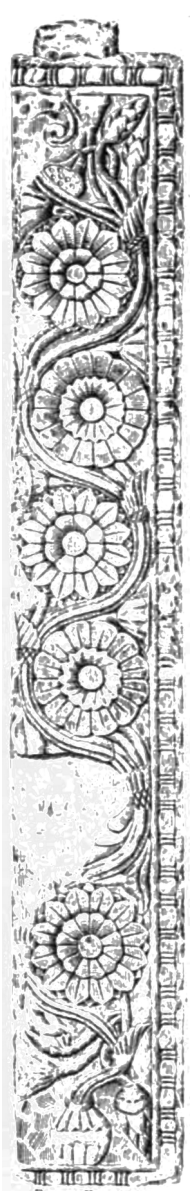
Words expressing a **number**, either:

→ **cardinal** (one, two, three, etc.)

→ **ordinal** (first, second, third, etc.).

The cardinals are used either as adjectives (two horses) or nouns (a hundred *of* horses), depending on the number.

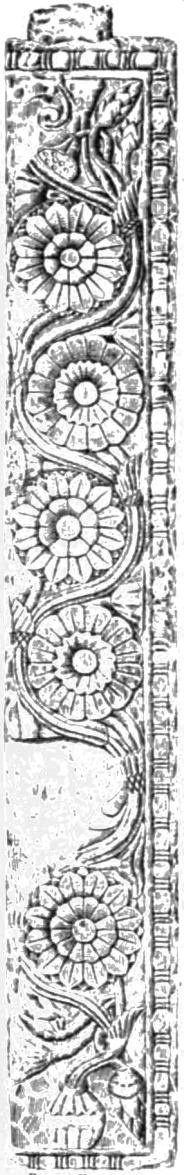
The ordinals are only used as adjectives.



INFLECTION

All cardinals are inflected for **case** and **number**.

The cardinals from 1 to 4 are inflected for **gender** as well.



1

एकः / एकम् / एका

॥वृद्धिः॥
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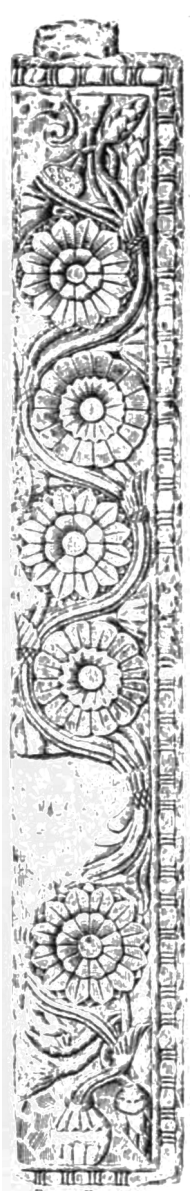

	ēkavacanam singular	*bahuvacanam* plural
prathamā (1st) nominative	**ékaḥ / ékam**	**ékē / ékāni**
dvitīyā (2nd) accusative	**ékam**	**ékān / ékāni**
tṛtīyā (3rd) instrumental	**ékēna**	**ékaiḥ**
caturthī (4th) dative	**ékasmai**	**ékēbhyaḥ**
pañcamī (5th) ablative	**ékasmāt**	
ṣaṣṭhī (6th) genitive	**ékasya**	**ékēṣām**
saptamī (7th) locative	**ékasmin**	**ékēṣu**
saṁbōdhanam vocative	**éka**	**ékē / ékāni**

* The plural is used to mean "some" or "a few."

* There is no dual.

Declension of *éka-* (pronominal *a*-stem) in the masc. and neut.

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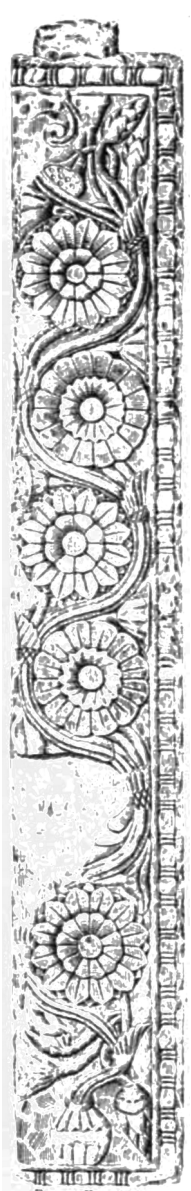

	ēkavacanam singular	*bahuvacanam* plural
prathamā (1st) nominative	**ékā**	**ékāḥ**
dvitīyā (2nd) accusative	**ékām**	
tṛtīyā (3rd) instrumental	**ékayā**	**ékābhiḥ**
caturthī (4th) dative	**ékasyai**	**ékābhyaḥ**
pañcamī (5th) ablative	**ékasyāḥ**	
ṣaṣṭhī (6th) genitive		**ékāsām**
saptamī (7th) locative	**ékasyām**	**ékāsu**
saṁbōdhanam vocative	**ékē**	**ékāḥ**

* The plural is used to mean "some" or "a few."

* There is no dual.

Declension of *ékā-* (pronominal *ā*-stem) in the fem.

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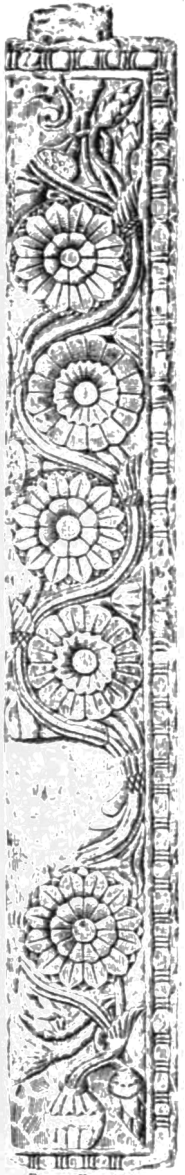

2

द्वौ / द्वे / द्वे

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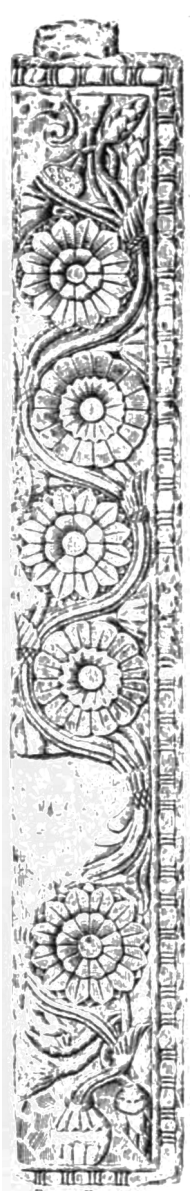

	dvivacanam dual
prathamā (1st) nominative	**dváu / dvé / dvé**
dvitīyā (2nd) accusative	
tṛtīyā (3rd) instrumental	**dvā́bhyām**
caturthī (4th) dative	
pañcamī (5th) ablative	
ṣaṣṭhī (6th) genitive	**dváyōḥ**
saptamī (7th) locative	
saṁbōdhanam vocative	**dváu / dvé / dvé**

* Only the dual is used.

Declension of *dvá-* (pronominal *a/ā*-stem)

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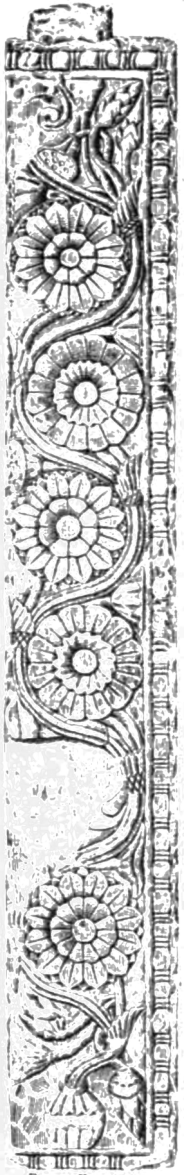

3

त्रयः / त्रीणि / तिस्रः

॥वृद्धिः॥
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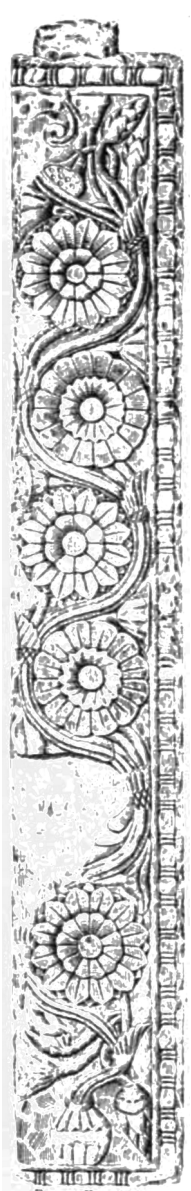

	puṁliṅgam masculine	*napuṁsakaliṅgam* neuter	*strīliṅgam* feminine
prathamā (1st) nominative	**tráyaḥ**	**tríṇi**	**tisráḥ**
dvitīyā (2nd) accusative	**trín**		
tṛtīyā (3rd) instrumental	**tribhíḥ**		**tisṛ́bhiḥ**
caturthī (4th) dative	**tribhyáḥ**		**tisṛ́bhyaḥ**
pañcamī (5th) ablative			
ṣaṣṭhī (6th) genitive	**trayāṇā́m**		**tisṛṇā́m**
saptamī (7th) locative	**triṣú**		**tisṛ́ṣu**
saṁbōdhanam vocative	**tráyaḥ**	**tríṇi**	**tisráḥ**

Declension of *trí-*, masc. and neut., and *tisṛ́-*, fem.
Only the plural is used.

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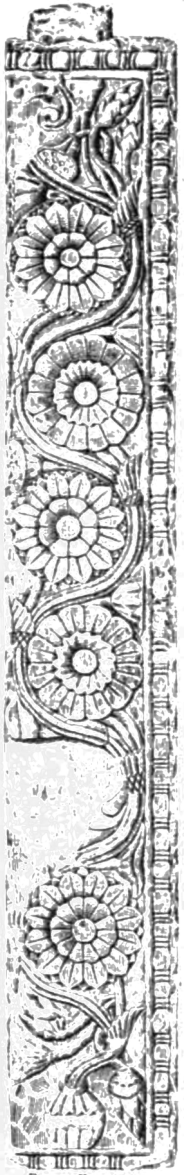

4

चत्वारः / चत्वारि / चतस्रः

॥वृद्धिः॥
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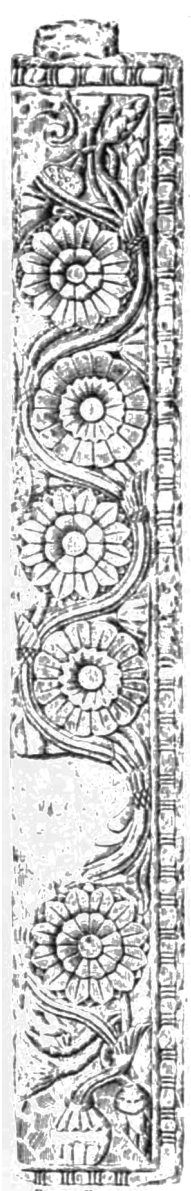

	puṁliṅgam masculine	*napuṁsakaliṅgam* neuter	*strīliṅgam* feminine
prathamā (1st) nominative	**catvā́raḥ**	**catvā́ri**	**cátasraḥ**
dvitīyā (2nd) accusative	**catúraḥ**		
tṛtīyā (3rd) instrumental	**catúrbhiḥ**		**catasṛ́bhiḥ**
caturthī (4th) dative	**catúrbhyaḥ**		**catasṛ́bhyaḥ**
pañcamī (5th) ablative			
ṣaṣṭhī (6th) genitive	**caturṇā́m**		**catasṛṇā́m**
saptamī (7th) locative	**catúrṣu**		**catasṛ́ṣu**
saṁbōdhanam vocative	**catvā́raḥ**	**catvā́ri**	**cátasraḥ**

Declension of *catúr-*, masc. and neut., and *catasṛ́-*, fem.
Only the plural is used.

॥वृद्धिः॥
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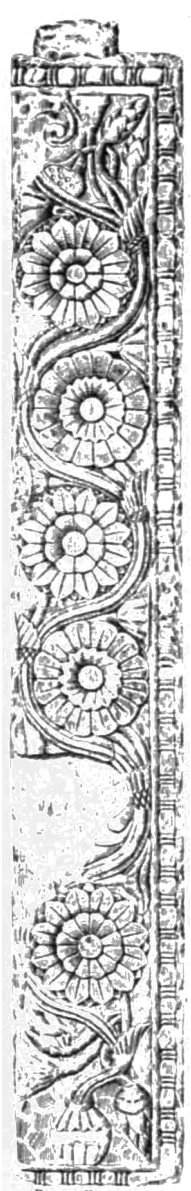
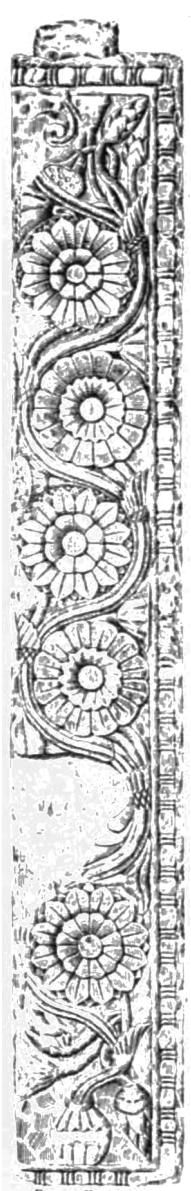


The cardinals from 5 onward are not inflected for gender.

Those from 5–19 are inflected in the *plural*, while those starting from 20 are inflected in all numbers (depending on whether they are used as nouns or adjectives).



	bahuvacanam plural	*bahuvacanam* plural	*bahuvacanam* plural
prathamā (1st) nominative	**páñca**	**ṣáṭ**	**saptá**
dvitīyā (2nd) accusative			
tṛtīyā (3rd) instrumental	**pañcábhiḥ**	**ṣaḍbhíḥ**	**saptábhiḥ**
caturthī (4th) dative	**pañcábhyaḥ**	**ṣaḍbhyáḥ**	**saptábhyaḥ**
pañcamī (5th) ablative			
ṣaṣṭhī (6th) genitive	**pañcānā́m**	**ṣaṇṇā́m**	**saptānā́m**
saptamī (7th) locative	**pañcásu**	**ṣaṭsú**	**saptásu**
saṁbōdhanam vocative	**páñca**	**ṣáṭ**	**saptá**

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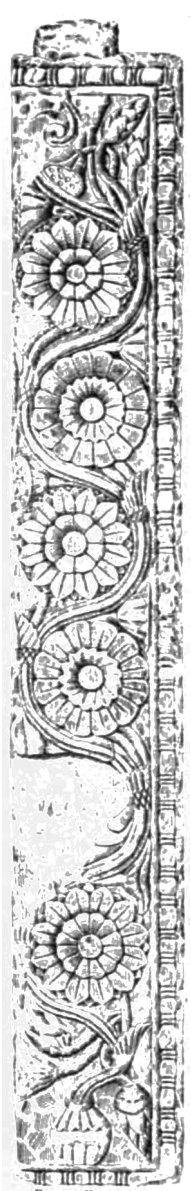

	bahuvacanam plural	*bahuvacanam* plural	*bahuvacanam* plural
prathamā (1st) nominative	**aṣṭáu / aṣṭá**	**náva**	**dáśa**
dvitīyā (2nd) accusative			
tṛtīyā (3rd) instrumental	**aṣṭābhíḥ / aṣṭábhiḥ**	**navábhiḥ**	**daśábhiḥ**
caturthī (4th) dative	**aṣṭābhyáḥ / aṣṭábhyaḥ**	**navábhyaḥ**	**daśábhyaḥ**
pañcamī (5th) ablative			
ṣaṣṭhī (6th) genitive	**aṣṭānā́m**	**navānā́m**	**daśānā́m**
saptamī (7th) locative	**aṣṭāsú / aṣṭásu**	**navásu**	**daśásu**
saṁbōdhanam vocative	**aṣṭáu / aṣṭa**	**náva**	**dáśa**

॥वृद्धिः॥
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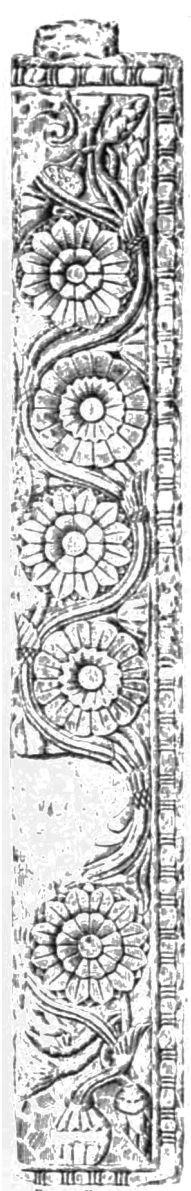

11: *ék̄ādaśa*

12: *dvā́daśa*

13: *tráyōdaśa*

14: *cáturdaśa*

15: *páñcadaśa*

16: *ṣṓḍaśa*

17: *saptádaśa*

18: *aṣṭā́daśa*

19: [*návadaśa*] *ēkōnaviṁśatiḥ*

The cardinals from 11 to 19 are formed as compounds ending in *daśa* “ten,” and they are inflected like *daśa*.

[19, 29, 39, etc. are generally expressed as “twenty minus one” (*ēkōnaviṁśatiḥ*), “thirty minus one” (*ēkōnatriṁśat*), etc.]

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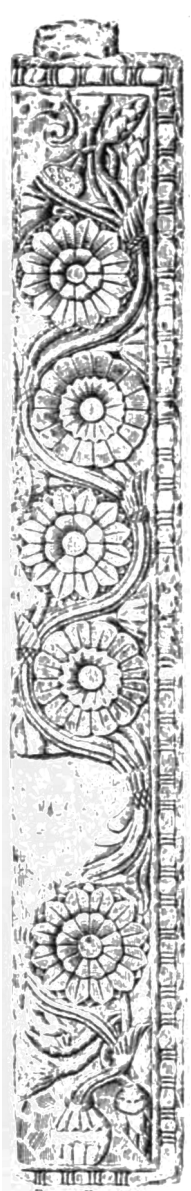

20. *viṁśatíḥ*
30. *triṁśát*
40. *catvāriṁśát*
50. *pañcāśát*
60. *ṣaṣṭíḥ*
70. *saptatíḥ*
80. *aśītíḥ*
90. *navatíḥ*
100. *śatám*
1000. *sahásram*

The *tens* are feminine, and generally used as nouns in the singular (occasionally in the plural): *viṁśatyā́ háribhiḥ* “with twenty horses.”

The words for 100 and 1000 are neuter.

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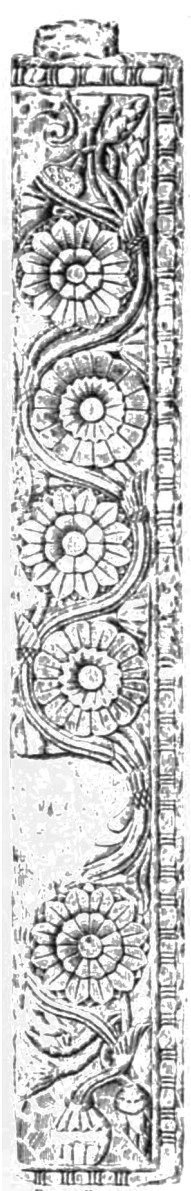

21. *ékaviṁśatiḥ*
22. *dvā́viṁśatiḥ*
23. *tráyōviṁśatiḥ*
24. *cáturviṁśatiḥ*
25. *páñcaviṁśatiḥ*
26. *ṣáḍviṁśatiḥ*
27. *saptáviṁśatiḥ*
28. *aṣṭā́viṁśatiḥ*
29. [*návaviṁśatiḥ*] *ēkōnatriṁśat*

The numbers between the tens are formed in the same way as 11–19, viz., by compounding the “ones” with the “tens.”

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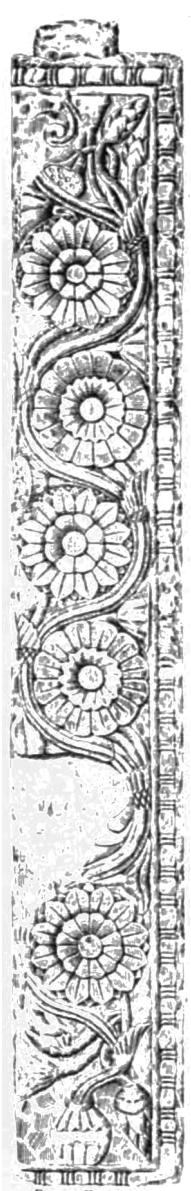
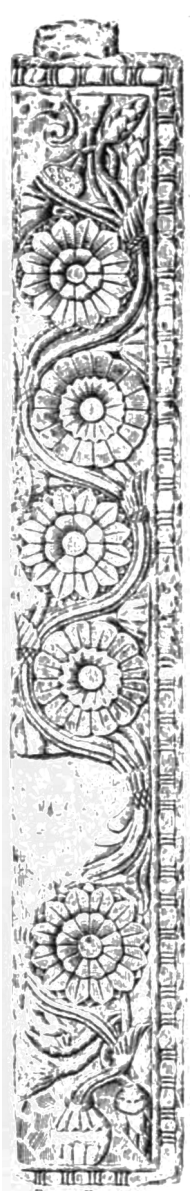


ORDINALS

The ordinals are adjective stems. Most form their feminine in -*ī*. Those that form their feminine in -*ā* are in bold.



1st: *pratʰamá-*, ***pratʰamā́-***

2nd: *dvitī́ya-*, ***dvitī́yā-***

3rd: *tr̥tī́ya-*, ***tr̥tī́yā-***

4th: *caturtʰá-*, *caturtʰī́-* [also *túrya-*, ***túryā-*** and *turī́ya-*, ***turī́yā-***]

5th: *pañcamá-*, *pañcamī́-*

6th: *ṣaṣṭʰá-*, *ṣaṣṭʰī́-*

7th: *saptamá-*, *saptamī́-*

8th: *aṣṭamá-*, *aṣṭamī́-*

9th: *navamá-*, *navamī́-*

10th: *daśamá-*, *daśamī́-*

11th: *ēkādaśá-*, *ēkādaśī́-*

12th: *dvādaśá-*, *dvādaśī́-* etc.

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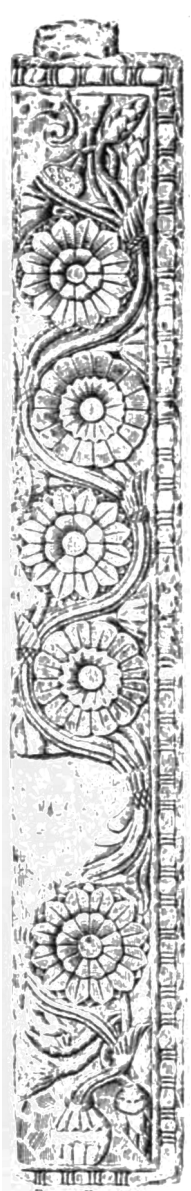


20th: *viṁśá-, viṁśī́-*

30th: *triṁśá-, triṁśī́-*

40th: *catvāriṁśá-, catvāriṁśī́-*

50th: *pañcāśá-, pañcāśī́-*

60th: *ṣaṣṭá-, ṣaṣṭī́-*

70th: *saptatá-, saptatī́-*

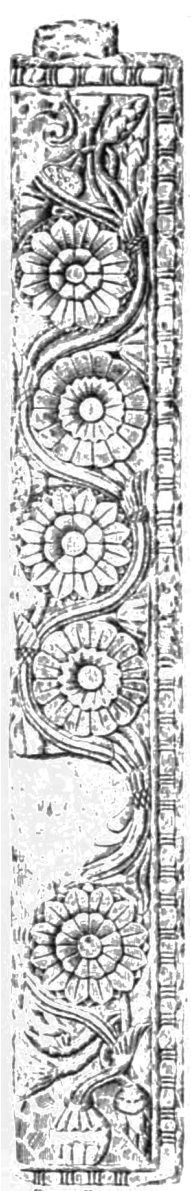
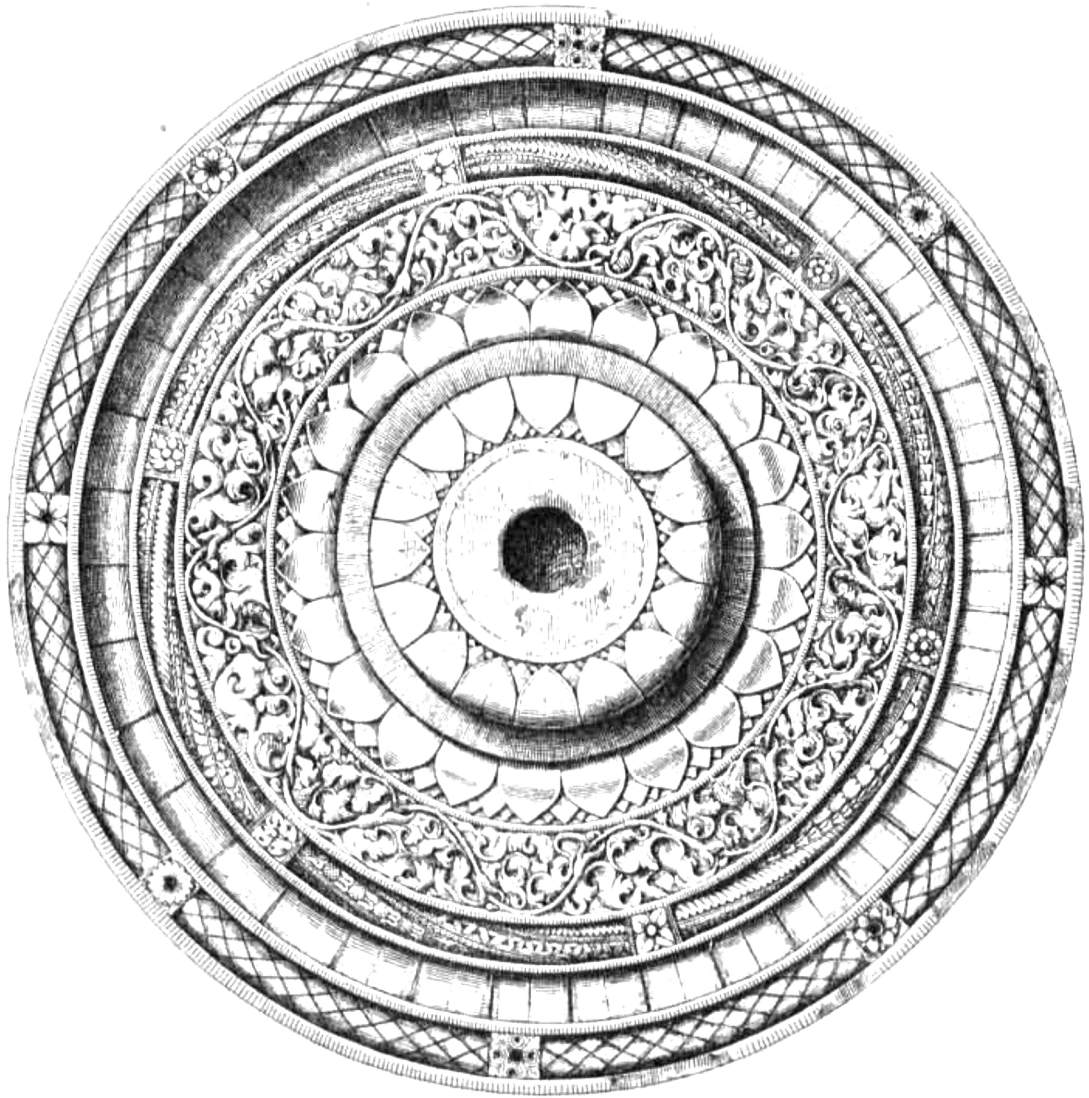
80th: *aśītá-, aśītī́-*

90th: *navatá-, navatī́-*

100th: *śatatamá-, śatatamī́-*

1000th: *sahasratamá-, sahasratamī́-*

21st: *ēkaviṁśá-, ēkaviṁśī́-*

22nd: *dvāviṁśá-, dvāviṁśī́-* etc.

॥वृद्धिः॥
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