

Ancient Greece

Table of Measures of Length

| Name of Unit | Daktylos | Meters |
|---|----------|--------|
| 01-Daktylos | 1 | 0.02 |
| 02-Condylos [Kondylos] | 2 | 0.04 |
| 03-Pala(i)ste - Gronthos - Daktylodochme - Doron - Palame | 4 | 0.08 |
| 04-Dihas - Lihas - Hemipous - Kynostomon | 8 | 0.16 |
| 05-Lihas (?) | 10 | 0.2 |
| 06-Orthodoron | 11 | 0.22 |
| 07-Spithame | 12 | 0.24 |
| 08-Pous (Attic and Olympic) | 16 | 0.32 |
| 09-Pous (Hellenistic) [Pes] (Roman) | 14.8 | 0.296 |
| 10-Pygme | 18 | 0.36 |
| 11-Pygon - Pechus psylos [Pechys] | 20 | 0.40 |
| 12-Pechus (Greek) [Pechys] - Dimoiron spithames | 24 | 0.48 |
| 13-Pechus [Pechys] (Babylonian) | 24 | 0.48 |
| 14-Pechus [Pechys] (Egyptian) | 27 | 0.54 |
| 15-Pechus [Pechys] (Nile area) | 28 | 0.56 |
| 16-Pechus [Pechys] (Persian) | 27 | 0.54 |
| 17-Pechus [Pechys] (Samian) | 27 | 0.54 |
| 18-Pechus [Pechys] (Stoic) | 32 | 0.64 |
| 19-Bema (aploun) | 40 | 0.80 |
| 20-Xylon (?) | 72 | 1.44 |
| 21-Bema diploun - Xylon (?) - Ampelos - Passon | 80 | 1.60 |
| 22-Orguia [Orguia] | 96 | 1.92 |
| 23-Kalamos (?) | 120 | 2.40 |
| 24-Akaina - Kalamos (?) – Dekapous | 160 | 3.20 |
| 25-Ammas - Amma (egyptian) | 960 | 19.20 |
| 26-Schoinion - Sokarion of cultivable land | 960 | 19.20 |
| 27-Schoinion - Sokarion of pasture land | 1152 | 23.04 |
| 28-Plethron | 1600 | 32 |

Table of Measures of Distance

| Unit (article) | Pous | Meters |
|--|-------|----------|
| 01-Pous | 1 | 0.32 |
| 02-Pechus [Pechys] (Greek) | 1.5 | 0.48 |
| 03-Bema (aploun) | 2.5 | 0.80 |
| 04-Bema diploun - Ampelos – Passon | 5 | 1.60 |
| 05-Orguia [Orgyia] | 6 | 1.92 |
| 06-Akaina - Dekapous - Kalamos (?) | 10 | 3.20 |
| 07-Plethron | 100 | 32 |
| 08-Stadion (by Aristotel) * | 600 | 100 |
| 09-Stadion (by Archimedes and Cleomedes) * | 600 | 133 |
| 10-Stadion (Hellenistic) * | 600 | 184.98 |
| 11-Stadion (Delphic) * | 600 | 177.55 |
| 12-Stadion (by Eratosthenes and Hipparchus) * | 600 | 158.73 |
| 13-Stadion (Odoiporikon) * | 600 | 157.50 |
| 14-Stadion (Olympic - Attic - Macedonian) | 600 | 192,27 |
| 15-Stadion (by Posidonius) * | 600 | 166.666 |
| 16-Diaulos (ho) (of the Olympic Stadion) | 1200 | 384.54 |
| 17-Hippikon (to) (of the Olympic Stadion) | 2400 | 769.08 |
| 18-Milion (to) (of the Olympic Stadion) (by Hero) | 4500 | 1442.025 |
| 19-Dolichos (ho) (of the Olympic Stadion) | 7200 | 2307.24 |
| 20-Hora (he) (of the Odoiporikon Stadion)* | 18000 | 4725 |
| 21-Schoinos (he) (of the Odoiporikon Stadion)* (by Hero) | 18000 | 4725 |
| 22-Parasagges (ho) (of the Odoiporikon Stadion)* (by Herodotos-Hero) | 18000 | 4725 |
| 23-Schoinos (ho) Greek (in Eratosthenes) (of the Odoiporikon Stadion)* | 24000 | 6300 |
| 24-Schoinos (he) (Barbarian) (of the Odoiporikon Stadion) (by Hero)* | 27000 | 7087.50 |
| 25-Schoinos (ho) (Egyptian) (by Herodotos)* | 36000 | 9450 |
| 26-Schoinos (he) (Persian) (by Hero)* | 36000 | 9450 |

* Units marked with an asterisk are not based on the equation 1 pous=0.32 m. but on various pous lengths.

Aristotle (384 BC - 322 BCE)
 Archimedes (c. 287 BC-212 BCE)
 Cleomedes (4th c. CE)
 Eratosthenes (c. 276-195 BCE)
 Hipparchus (c.190-120 BCE)
 Posidonius (135-51 BCE)
 Hero of Alexandria (c.10-70 CE)
 Herodotus (c.484-425 BCE)

Table of Measures of Area

| Name of Unit | Daktylos² | Meters² |
|-----------------------------|-----------------------------|---------------------------|
| 01-Daktylos | 1 | 0.0004 |
| 02-Condylus [Kondylos] | 4 | 0.0016 |
| 03-Pala(i)ste | 16 | 0.0064 |
| 04-Lihas | 64 | 0.0256 |
| 05-Orthodoron | 121 | 0.0484 |
| 06-Spithame | 144 | 0.0576 |
| 07-Pous | 256 | 0.1024 |
| 08-Pygme | 324 | 0.1296 |
| 09-Pygon | 400 | 0.16 |
| 10-Pechys | 576 | 0.2304 |
| 11-Bema (aploun) | 1600 | 0.64 |
| 12-Bema diploun | 6400 | 2.56 |
| 13-Orguia [Orgyia] | 9216 | 3.6864 |
| 14-Akaina | 25600 | 10.24 |
| 15-Dekaorguion - Sokarion | 92160 | 36.864 |
| 16-Dodekaorguion - Sokarion | 110592 | 44.237 |
| 17-Plethron | 2560000 | 1024 |
| 18-Gyes | 128000000 | 51200 |

Table of Measures for Solids

| Name of Unit | Daktyloi³ | Meters³ |
|---------------------|-----------------------------|---------------------------|
| 01-Daktylos | 1 | 0.000008 |
| 02-Kondylos | 8 | 0.000064 |
| 03-Pala(i)ste | 64 | 0.000512 |
| 04-Lihas | 512 | 0.004096 |
| 05-Orthodoron | 1331 | 0.010648 |
| 06-Spithame | 1728 | 0.013824 |
| 07-Pous | 4096 | 0.032768 |
| 08-Pygme | 5832 | 0.046656 |
| 09-Pygon | 8000 | 0.064 |
| 10-Pechus [Pechys] | 13824 | 0.110592 |
| 11-Bema (aploun) | 64000 | 0.512 |
| 12-Bema diploun | 512000 | 4.096 |
| 13-Orguia [Orgyia] | 884736 | 7.077888 |
| 14-Akaina | 4096000 | 32.768 |
| 15-Plethron | 40960000 | 327.68 |

Table of Measures for Liquids

| Name of Unit | Cochliarion | Liters |
|--|--------------------|---------------|
| 01-Cochliarion - Cheme (?) - Cogkhe (?) - Listrion | 1 | 0.0114 |
| 02-Mystron | 2 | 0.0228 |
| 03-Cyathos | 4 | 0.0456 |
| 04-Oxyvaphon | 6 | 0.0684 |
| 05-Hemikotyliion | 12 | 0.1368 |
| 06-Cotyle - Hemina - Hemiekton | 24 | 0.2736 |
| 07-Hekteus - Xestes – Modios | 48 | 0.5472 |
| 08-Chous – Choeus | 288 | 3.2832 |
| 09-Dichoron | 2304 | 26.266 |
| 10-Metretes - Greek Amphora - Keramion | 3456 | 39.398 |

Table of Measures For Dry

| Name of Unit | Hemikotylion | Liters |
|---------------------------------------|---------------------|---------------|
| 01-Hemikotylion | 1 | 0.137 |
| 02-Kotyle - Hemina | 2 | 0.274 |
| 03-Choinix | 8 | 1.096 |
| 04-Hemiekton | 32 | 4.384 |
| 05-Hekteus - Xestes - Modios | 64 | 8.768 |
| 06-Kophinos (in Boeotoia and Chalkis) | 72 | 9.864 |
| 07-Medimnos | 384 | 52.608 |
| 08-Medimnos (after 3rd c. BC) | 423 | 57.951 |
| 09-Medimnos (Sicilian) | 320 | 43.84 |

Greek Numbers

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
|----------|-------------------------------------|----|----|----|----|----|----|----|----|------------------|
| O | α' | β' | Γ' | δ' | ε' | Ϛ' | ζ' | η' | θ' | Ones |
| E | ι' | κ' | Λ' | μ' | ν' | ξ' | ο' | π' | Ϙ' | Tens |
| H | ρ' | σ' | Τ' | υ' | φ' | χ' | ψ' | ω' | ϙ' | Hundreds |
| T | ·α | ·β | ·γ | ·δ | ·ε | ·Ϛ | ·ζ | ·η | ·θ | Thousands |
| | M=10.000 αM=11.000 ωM=8.000.000 etc | | | | | | | | | |

| | | | | | | | | | | |
|---|----------|--|----|------------|--|----|----|--|-----|----|
| 1 | α' | | 10 | ι' | | 20 | κ' | | 100 | ρ' |
| 2 | β' | | 11 | ια' | | 30 | λ' | | 200 | σ' |
| 3 | γ' | | 12 | ιβ' | | 40 | μ' | | 300 | τ' |
| 4 | δ' | | 13 | ιγ' | | 50 | ν' | | 400 | υ' |
| 5 | ε' | | 14 | ιδ' | | 60 | ξ' | | 500 | φ' |
| 6 | Ϛ' (στ') | | 15 | ιε' | | 70 | ο' | | 600 | χ' |
| 7 | ζ' | | 16 | ιϚ' (ιστ') | | 80 | π' | | 700 | ψ' |
| 8 | η' | | 17 | ιζ' | | 90 | Ϙ' | | 800 | ω' |
| 9 | θ' | | 18 | ιη' | | | | | 900 | ϙ' |
| | | | 19 | ιθ' | | | | | | |

| | | | | | |
|------|----|------|----|------|----|
| 1000 | ·α | 4000 | ·δ | 7000 | ·ζ |
| 2000 | ·β | 5000 | ·ε | 8000 | ·η |
| 3000 | ·γ | 6000 | ·Ϛ | 9000 | ·θ |

Table of Measures for Weights

1. Aeginetan

| Name of Unit | Obolos | kilograms |
|---------------------|---------------|------------------|
| 01-Obolos | 1 | 0.001197 |
| 02-Drachma | 6 | 0.007182 |
| 03-Mina [Mna] | 600 | 0.7182 |
| 04-Talent | 36000 | 43.092 |

2. Euboic/Attic Commercial

| Name of Unit | Obolos | kilograms |
|---------------------|---------------|------------------|
| 01-Obolos | 1 | 0.0009974496 |
| 02-Drachma | 6 | 0.005984892 |
| 03-Mina [Mna] | 600 | 0.59846976 |
| 04-Talent | 36000 | 35.9081856 |

3. Attic Silver/Solonian

| Name of Unit | Obolos | Kilograms |
|---------------------|---------------|------------------|
| 01-Obolos | 1 | 0.0007181858 |
| 02-Drachma | 6 | 0.0043091148 |
| 03-Mina [Mna] | 600 | 0.43091148 |
| 04-Talent | 36000 | 25.8546888 |

4. Combined

| Name of Unit | Obolos Solonian | Kilograms |
|---------------------------------------|------------------------|------------------|
| 01-Obolos Attic Silver/Solonian | 1 | 0.0007181858 |
| 02-Drachma Attic Silver/Solonian | 6 | 0.0043091148 |
| 03-Mina [Mna] Attic Silver/Solonian | 600 | 0.43091148 |
| 04-Talent Attic Silver/Solonian | 36000 | 25.8546888 |
| 05-Obolos Euboic/Attic commercial | 1.388 | 0.0009974496 |
| 06-Drachma Euboic/Attic commercial | 8.328 | 0.005984892 |
| 06-Mina [Mna] Euboic/Attic commercial | 832.8 | 0.59846976 |
| 07-Talent Euboic/Attic commercial | 49968 | 35.9081856 |
| 08-Obolos Aeginetan | 1.666 | 0.001197 |
| 09-Drachma Aeginetan | 9.996 | 0.007182 |
| 10-Mina [Mna] Aeginetan | 999.6 | 0.7182 |
| 11-Talent Aeginetan | 59976 | 43.092 |