Egyptian

Number	Picture	Symbol
1	Stroke	
10	Heel bone	
100	Coil of rope	
1000	Lotus Flower	
10,000	Pointing Finger	
100,000	Tadpole	
1,000,000	Astonished man	

Roman

Roman	I	V	X	L	C	D	M
Hindu-Arabic	1	5	10	50	100	500	1000

Ionic Greek

Letter	Value
α alpha	1
β beta	2
γ gamma	3
δ delta	4
ε epsilon	5
ς digamma	6
ζ zeta	7
η eta	8
θ theta	9

Letter	Value
ι iota	10
κ kappa	20
λ lambda	30
μ mu	40
ν nu	50
ξ xi	60
o omicron	70
π pi	80
Q koppa	90

Letter	Value
ρ rho	100
σ sigma	200
τ tau	300
υ upsilon	400
φ phi	500
χ chi	600
ψ psi	700
ω omega	800
λ sampi	900

Chinese

Number	Symbol
0	零
1	一
2	二
3	三
4	四
5	五
6	六

Number	Symbol
7	七
8	八
9	九
10	十
100	百
1000	千

Babylonian

Base 60   One = | Ten = <

Mayan

Number	Symbol
0	🥥
1	•
2	••
3	•••
4	••••

Number	Symbol
5	___
6	• ___
7	•• ___
8	••• ___
9	•••• ___

Number	Symbol
10	=
11	• =
12	•• =
13	••• =
14	•••• =

Number	Symbol
15	≡
16	• ≡
17	•• ≡
18	••• ≡
19	•••• ≡

US Customary System:

1 foot (ft)	12 inches (in)
1 yard (yd)	3 feet
1 mile (mi)	5280 feet
1 pound (lb)	16 ounces
1 ton (T)	2000 pounds
1 cup (c)	8 fluid ounces
1 pint (pt)	2 cups
1 quart (qt)	2 pints
1 gallon (gal)	4 quarts

Time:

1 minute (min)	60 seconds (sec)
1 hour (hr)	60 minutes
1 day	24 hours
1 year (yr)	365 days

Metric System Prefixes:

Prefix	Symbol	Meaning
kilo	k	$1000 \times$ base unit
hecto	h	$100 \times$ base unit
deka	da	$10 \times$ base unit
-	-	Base unit
deci	d	1/10 of base unit
centi	c	1/100 of base unit
milli	m	1/1000 of base unit

Some Metric System Conversions:

Volume in Cubic Units	Volume in Liters
1 cm^3	1 ml
1 dm^3	1 l
1 m^3	1 kl

Fahrenheit/Celsius

$$C = \frac{5}{9}(F - 32) \qquad F = \frac{9}{5}C + 32$$

Celsius	Meaning	Fahrenheit
0°C	Freezing point of water	32°F
100°F	Boiling point of water	212°F

US Customary to Metric

Length	
1 inch	2.54 centimeters
1 foot	30.48 centimeters
1 yard	0.9144 meters
1 mile	1.609 kilometers
Area	
1 in^2	6.4516 cm^2
1 ft^2	0.0929 m^2
1 yd^2	0.8361 m^2
1 mi^2	2.59 km^2
1 acre	0.405 hectare (ha)
Volume	
1 teaspoon (tsp)	4.929 milliliters
1 tablespoon (tbsp)	14.79 milliliters
1 fluid ounce	29.57 milliliters
1 cup	0.2366 liters
1 pint	0.4732 liters
1 quart	0.9464 liters
1 gallon	3.785 liters
1 cubic foot	0.02832 cubic meters
1 cubic yard	0.7646 cubic meters
Weight (Mass)	
1 ounce	28.35 grams
1 pound	0.4536 kilograms
1 ton (T)	0.9 tonne (t)

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I.   Perimeter, Area and Volume formulas

Square: $P = 4s$

$A = s^2$

Rectangle: $P = 2l + 2w$

$A = lw$

Parallelogram: $A = bh$

Trapezoid: $A = \frac{1}{2}(b_1 + b_2)h$

Triangle: $A = \frac{1}{2}bh$

Circle: $C = 2\pi r$

$A = \pi r^2$

Closed Box: $A = 2lw + 2lh + 2wh$

$V = lwh$

Sphere: $A = 4\pi r^2$

$V = \frac{4}{3}\pi r^3$

Cone: $V = \frac{1}{3}\pi r^2 h$

Cylinder: $A = 2\pi r^2 + 2\pi rh$

$V = \pi r^2 h$

II.   Exponential Growth and Decay

Growth: $P(t) = P_0 e^{kt}$

Decay: $P(t) = P_0 e^{-kt}$

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III. Math of Finance

Simple interest: $i = prt$

Future value (simple interest): $A = P(1 + rt)$

Future value (compound interest): $A = P(1 + i)^n$, where $i = \dfrac{r}{m}$ and $n = mt$

Present value (compound interest): $P = A(1 + i)^{-n}$, where $i = \dfrac{r}{m}$ and $n = mt$

Future value (annuity): $S = R\left[\dfrac{(1 + i)^n - 1}{i}\right]$, where $i = \dfrac{r}{m}$ and $n = mt$

Present value (annuity): $P = R\left[\dfrac{1 - (1 + i)^{-n}}{i}\right]$, where $i = \dfrac{r}{m}$ and $n = mt$

Monthly payment (loan): $R = \dfrac{Pi}{1 - (1 + i)^{-n}}$, where $i = \dfrac{r}{m}$ and $n = mt$

Effective rate: $r_{eff} = \left(1 + \dfrac{r}{m}\right)^m - 1$

Tax-free yield: $T_f = T_a(1 - F)$

IV. Miscellaneous

Fahrenheit to Celsius: $C = \dfrac{5}{9}(F - 32)$

Celsius to Fahrenheit: $F = \dfrac{9}{5}C + 32$

Pythagorean Theorem: $a^2 + b^2 = c^2$