

Numerare – Count and compute as a Roman

Convert numbers to Roman numbers and vice versa, up to 40 million, read the numbers with the camera, compute with abacus.

Numerare is available in 8 languages : English, French, Spanish, Italian, German, Greek, Portuguese and even Latin for enthusiasts. Numerare adpats automatically to your iPhone or iPad setting. Numerare works at best with IOS 13 or over, on iPhone and iPad. It works, with some limitation with iOS 11 and iOS 12.

What can Numerare do for you ?

Are you travelling and seeing an inscription with Roman numerals like MDCLXXII and wondering what date is that? With Numerare, enter this number and instantly get the value, as well as how to write it in Latin. Or even, use the camera to capture the text.

Answer: 1672 - mille sescenti septuaginta duo

You will also learn how to do operations (additions and subtractions) with the abacus.

And even play with friends to see who can find a series of numbers the fastest.

The home screen gives access to the functions.



Convert Roman numerals...

On the home screen, tap on 'Count' ...

The screen that appears includes several objects.

Numarara igan to								A digital number. You can enter a
Willerare Icoli, to	4:5	56					نے ج م	number here on the keyboard (e σ
return to the home screen		Count			U	940), it will be translated into Roman		
								numerals CMXL
	Num	erical	94	10				Or a number in Roman, on the
activate / silence	Rom	an	CI	MXL				keyboard, it will be translated into
voice help messages.	<<	>>	Photo		Film	O'Shoot		numeric.
	nong	jenti qu	adragin	ta				To better visualize the figures, tap on
	x	ΜĪ	Ī	ΜŸ	M	ĈЙ	Đ	'<>'. The Roman numeral then
• Help button for on	10 M	9 M	5 M	4 M	1 M	900 m	500 m	appears as 'CM XL'
screen explanation	CD 400 m	C 100 m	XC 90 m	L 50 m	XL 40 m	X 10 m	MX 9 m	
<u> </u>	V	ΜV	м	СМ	D	CD	с	If you want to scan text, use the
(Domestic to draw	5 m	4 m L	1 m XL	900 X	500	400 V	100	photo (see below).
«Pencil» to draw	90	50	40	10	9	5	4	
roman number directly on	1						×	To make it easier to enter Roman
screen.								numerals, an intelligent keyboard is
								available (if it is not displayed, the
								SOS
								button displays it.
								On this keyboard, all the existing
								Roman numerals. Tap on 'CM' (if
			_					you want to type 900) CM appears in
								the Roman numeral, and all the
								numbers that can no longer be typed
								(like the M of a thousand) are grayed
								out. Then type XL for 40. You see
								that X is grayed out, because you
								cannot type 10 after 40.
								Close this keyboard with the X
								button

Scan text

You see a figure on a monument, in a book ... Rather than typing it, enter it with the camera. Or grab it from one of your albums.

NOTE: this only works with iOS 13 and above.



Directly enter a Roman numeral by drawing it

You can also write the Roman numeral directly on the screen, with your finger or a stylus.

NOTE: This only works with iOS 13 and above. The recognition rate (as with any handwriting) is not 100%, but exceeds 95% if you write carefully.



Numerare may hesitate between several recognized numbers. In this case, an alert asks you to specify which is the correct one.

Play

To learn to read Roman numerals, you need to practice. The most fun is to do it by playing. Numerare offers you to play to read series of numbers, of different lengths, with different levels of difficulty. You can play with several players to organize competitions and choose the champion.

Tap on the 'Practice' icon to access the game page.

Two types of games are available:

- read a Roman numeral (e.g. XL) and translate it into a numeral (40)

- read a number (for example 40) and translate it into a Roman numeral (XL)

The choice of the game is made with ->40 ->XL

The two games are managed independently; thus the scores of each player are calculated for each game.

To make it easier to enter Roman numerals, a bar above the keyboard shows the letters that can be used:

IVXLC ✓ or		
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Numerare icon, to return to the home screen	Play 4:32	and Pra	ectice ≈ ■	The player's name will appear at the top. Tap on the name to choose the player or create a new one.	
Help button for on screen explanation.	()) Practice () Player: Bratt Game: Beginner Confirmed Expert Runs: 5 10 2 ->40 ->XL Replay the game What is ? XLII 12 42			 3 levels of games, increasingly difficult: Beginner: the numbers proposed go from 1 to 99. You have 30 seconds to give your answer. Confirmed: numbers from 1 to 999. 20 seconds to give your answer Expert: numbers from 1 to 3999, 10 seconds to give your answer. You can choose a game with 5 or 10 moves and to either read a roman number (->40) or to write it (->XL). 	
	1 4 GHI 7 PORS	2 лвс 5 јкц 8 тич 0	S DEF 6 MNO 9 WXYZ ≪	You can choose to replay the same game as the previous one. Very practical for tournaments where each player will have the same game to play Each time you play a move, a timer shows you the time elapsed. Think quickly and enter your answer in the area under the Roman numeral. Then validate by typing $$.	

At the end of the game, you get your performance.



To view the list of players, their performances or to add a new player, tap on the name of the current player.

Mumerare icon, to	5:07	🕈 🖿	In the title bar:
return to the home screen	🧼 🗤 Practi	ice ?	- Button to close the list.
Help button for on screen explanation.	New player Claude Beginner 5 10 Confirmed 5 Mark Beginner 5 10 Confirmed 5 Bratt Beginner 5 10 Confirmed 5 Briner 5 10 Confirmed 5 Cecilia Beginner 5 0 Confirmed 5 Beginner 5 10 Confirmed 5 Cecilia Beginner 5 0 Confirmed 5 30°78 Cartiner 5	XL -> 40 \$\$ 10 Expert 5 10 10 Expert 5 10	 'New Player' Button to add a player XL->40 Button to select between reading a Roman number or writing an Arabic number in Roman (40->XL) > 🗮 Button to modify the list : delete a player or reorder the list (grab the handle on the right of a line and move up or down). For each player, you see : his performance in each game category (if he has set a personal record) If he or she is the champion, the time is displayed in red. The player who is in the game is on a green background. Double click on a player to select him. Drag to the left to remove the player.

To get explanations on a cell, click on the name of the cell:

Claude						
Beginner 5	10	Confirmed 5	10	Expert 5	10	
	41"12					
Claude Game: Reading 41"12 : Champion Beginner level game 10 runs						

Tap on the explanation to hide it.

Numerare Settings

You can adjust certain Numerare parameters and save them in your preferences (they will be reused when you open the app again, when you download a new version). They are only deleted if you delete the app.

These preferences are also accessible in the iPhone or iPad settings, in the Numerare section.

Tap the Prefs icon at the bottom left of the home screen.



Compute with abacus...

To make operations, the Romans had neither methods to make additions and subtractions as we put them, by writing the figures aligned one under the other and by adding or subtracting column by column with deductions.

The way of writing the numbers did not lend itself anyway at all.

But they did it with abacuses. More fun and in fact, they were not that far from our practice.

Many articles explain in detail the use of the abacus (in french):

https://archimede.mat.ulaval.ca/amq/bulletins/dec06/boulier.pdf And to go into detail:

https://www.wikihow.com/Use-an-Abacus

On the home screen, tap on 'Calculate' ...

The screen that appears with two abacuses. They will have to be used to make additions (add the second number to the first) or subtractions (subtract the second number from the first). And just by handling the 'calculi'.

Numerare icon, to 4:57 return to the home screen Image: Screen explanation Image: Screen explanation Image: Screen explanation Add: Image: Screen explanation Image: Screen explanation Imag	Addition 2 1021 MXXI Image: Compute intervention of the i	The 2 abacuses Above, the translation into figures of the position of the stones. An abacus has 8 columns (4 only if you have limited the maximum value of the figures); divided into 2 parts: - above, the 'quinary values): 5, 50, 50 - at the bottom the pebbles representing unit values (1, 10, 100) - The peebles which are close to the separation are to be counted: here 1 unary pebble in the first column and 2 unary pebbles in the second tens: which makes a value of 1 * 2 * 10 = 21. You change the value of an abacus by dragging the pebbles (see below) When you have entered the values in the abacus (you can also do it via the input fields, but it is a bit cheating), choose the type of operation at the bottom and proceed to the calculation.
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Before computing, let's first explain how to use abacus in Numerare.



To move a calculus (pebble), put your finger on it, a little on the right to see where you put it, and drag. Or double tap (double tap) on the chosen pebble to make it change position.



So get started now in an addition: tap on Addition.

Note: if the operation is impossible, or does not make sense, the 'Calculate!' Button is disabled. For example if the second number is zero, or for subtraction if the number to be subtracted is greater than the first number (the Romans did not know the negative numbers).

HELP for learning

Numerare can also teach you to calculate interactively. As soon as you tap on "Calculate", a help button is displayed and flashes at the top of the screen:

Help!

Click on this button to let Numerare follow the steps, by animating the movements of pebbles. Messages that explain why. If you have sound turned on, these messages are read. A pause is made between each message to give you time to read (or listen) and understand. This pause duration (5 or 10

P - 9 -

seconds) is adjustable in the preferences.

Add 1 pebble in column 1 of abacus 1

When everything is finished, a \checkmark sign (with an audible message) indicates it to you.

Then click on the close button \bigotimes to carry out a new calculation.

Now, compute by yourself





You can start a new addition, or better, will you dare try a subtraction ?

IMPORTANT NOTICE

Numerare is made to teach and entertain you. The use of its results remains your sole responsibility. In the event of a problem noted, Alphanums should be informed using the contact methods indicated in the Appstore or write directly to support@alphanumsoft.com.

PRIVATE DATA PROTECTION

Numerare does not collect any user data. Everything remains only in the personal environment of your iPhone or iPad.