

Roman numerals

Roman numerals are a numeral system that originated in Ancient Rome and are still used today. They can be found on clocks, watches, sun dials and, book chapters, and are used as numbering, bullet points and to identify kings, queens and popes.

Roman Numerals use 7 different Latin letters to indicate numbers. Zeros are not used.

The letters used are:

I	1
V	5
X	10
L	50
C	100
D	500
M	1000

Bigger numbers are made by combining the letters in different ways.

Below are some arithmetic problems for you to complete using the Roman Numeral format and there's even a challenge for you to create your own!

Check your answers against the answer sheet.

Now practise your numbers

1. Roman Numerals 100 Square

Using this information have a go at filling in the grid below.

I	II	III	IV	V	VI	VII	VIII	IX	X
XI	12	13	14	15	16	17	18	19	XX
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	XL
XLI	42	43	44	45	46	47	48	49	L
51	52	53	54	55	56	57	58	LIX	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	C

2. Translate these Roman Numerals. Remember to show your working out.

For example - **XXV** - 10 + 10 + 5 = 25

- | | |
|-----------------------|----------------------|
| a) XVIII | g) CXV |
| b) XXXIV | h) CXVI |
| c) XLII | i) DX |
| d) LXVI | j) DCLX |
| e) LXXII | k) MD |
| f) CXIII | l) MCD |

3. Write these numbers in Roman Numerals

- | | |
|---------------------|---------------------|
| a) 35 | f) 178 |
| b) 66 | g) 283 |
| c) 88 | h) 304 |
| d) 99 | i) 570 |
| e) 124 | |

4. Arrange these numbers in size order

XXXV XL XXX LX LV L XLV LXV

.....

CL CCC CCL C CC CD L CCCL

.....

5. Solve the following:

a) **V + XI** =

b) **XIX - XII** =

c) **XII x III** =

d) **L ÷ II** =

e) **VII + M** =

f) **XV - I** =

g) **XXII + XVII** =

h) **X x VI** =

i) **Write the year of your birth in Roman Numerals**

.....

j) **Write the current year in Roman Numerals**

.....

Challenge yourself

Create your own Roman Numerals and give them to someone else to solve.

Family game time - play Roman Bingo!

Why not have a game of Roman bingo with your family using the cards below?

Take the 100 grid (above) with all the Roman numerals, cut it into squares and put all the numbered squares into a bag. Shake the bag and pull out numbers at random. You could also create your own cards with different numbers.

I	XIII	XXII
XI	XXV	VI
VII	III	XI

V	XII	XXIV
VII	II	VII
XIX	XX	IV

II	XIX	XXII
XXX	XXVI	VI
VIII	III	XII

III	X	XXX
XI	XXV	XXVI
VI	V	IX

Roman Numerals - Answers

1. Roman Numerals 100 Square

I	II	III	IV	V	VI	VII	VIII	IX	X
XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX
XXI	XXII	XXIII	XXIV	XXV	XXVI	XXVII	XXVIII	XXIX	XXX
XXXI	XXXII	XXXIII	XXXIV	XXXV	XXXVI	XXXVII	XXXVIII	XXXIX	XL
XLI	XLII	XLIII	XLIV	XLV	XLVI	XLVII	XLVIII	XLIX	L
LI	LII	LIII	LIV	LV	LVI	LVII	LVIII	LIX	LX
LXI	LXII	LXIII	LXIV	LXV	LXVI	LXVII	LXVIII	LXIX	LXX
LXXI	LXXII	LXXIII	LXXIV	LXXV	LXXVI	LXXVII	LXXVIII	LXXIX	LXXX
LXXXI	LXXXII	LXXXIII	LXXXIV	LXXXV	LXXXVI	LXXXVII	LXXXVIII	LXXXIX	XC
XCI	XCII	XCIII	XCIV	XCV	XCVI	XCVII	XCVIII	XCIX	C

2. Translate these Roman Numerals. Remember to show your working out.

For example - **XXV** - $10 + 10 + 5 = 25$

a) **XVIII** - $10+5+1+1+1= 18$

g) **CXV** - $100+10+5= 115$

b) **XXXIV** - $10+10+10+4= 34$

h) **CXVI** - $100+10+5+1= 116$

c) **XLII** - $40+1+1= 42$

i) **DX** - $500+10= 510$

d) **LXVI** - $50+10+5+1= 66$

j) **DCLX** - $500+100+50+10= 660$

e) **LXXII** - $50+10+10+1+1=72$

k) **MD** - $1000+500= 1500$

f) **CXIII** - $100+10+1+1+1= 113$

l) **MCD** - $1000+400= 1400$



3. Write these numbers in Roman Numerals

- | | |
|-------------------------|---------------------------|
| a) 35 - XXXV | f) 178 - CLXXVIII |
| b) 66 - LXVI | g) 283 - CCLXXXIII |
| c) 88 - LXXXVIII | h) 304 - CCCIV |
| d) 99 - XCIX | i) 570 - DLXX |
| e) 124 - CXXIV | |

4. Arrange these numbers in size order

XXXV	XL	XXX	LX	LV	L	XLV	LXV
XXX	XXXV	XL	XLV	L	LV	LX	LXV
CL	CCC	CCL	C	CC	CD	L	CCCL
L	C	CL	CC	CCL	CCC	CCCL	CD

5. Solve the following:

a) $V + XI = 16$

b) $XIX - XII = 7$

c) $XII \times III = 36$

d) $L \div II = 25$

e) $VII + M = 1007$

f) $XV - I = 14$

g) $XXII + XVII = 29$

h) $X \times VI = 60$

i) Write the year of your birth in Roman Numerals

.....

j) Write the current year in Roman Numerals

MMXX