

Roman numerals

The Romans wrote numbers using letters.

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

When a letter comes **after** a larger letter it is added:

$$VI = V + I = 5 + 1 = 6$$

When a letter comes **before** a larger letter it is subtracted:

$$IX = X - I = 10 - 1 = 9$$

$$VIII \text{ is } 5 + 1 + 1 + 1 = 8$$

$$LXIV \text{ is } 50 + 10 + 4 = 64$$

$$DL \text{ is } 500 + 50 = 550$$

$$DCCCXC \text{ is } 500 + 100 + 100 + 100 + 90 = 890$$

1. Work out these Roman numerals.

a. VII = _____

b. CLIII = _____

c. XIX = _____

d. CIX = _____

e. XXXV = _____

f. DLI = _____

g. XXXVIII = _____

h. DCCX = _____

i. LXX = _____

j. CCCXX = _____

k. MCM = _____

l. MDCLV = _____

Translate these Roman numerals. Don't forget to show your working out!

① MD _____

④ CXVI _____

② MCD _____

⑤ DCLX _____

③ XXXIV _____

⑥ CXIII _____

Write these numbers in Roman numerals.

① 35 _____

④ 283 _____

② 100 _____

⑤ 570 _____

③ 99 _____

⑥ 27 _____

Arrange these numbers in size order (smallest to largest).

XXXV, XL, XXX, LX, LV, L, XLV, LXV

_____, _____, _____, _____, _____, _____, _____, _____,

Arrange these numbers in size order (smallest to largest).

CL, CCC, CCL, C, CD, CC, L, CCCL

_____, _____, _____, _____, _____, _____, _____, _____,

Count in hundreds from one hundred.

C, CC, _____, _____, D, _____, _____, _____, _____,

Count in five hundreds from five hundred.

D, _____, _____, _____, MMD, _____, _____,

Complete these calculations.

① $CD + DC =$ _____

④ $XL + LX =$ _____

② $VI + IV =$ _____

⑤ $CM + MC =$ _____

③ $XI + IX =$ _____

⑥ $CX + XC =$ _____

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DL is 500 + 50 = 550

DCCCXC is 500 + 100 + 100 + 100 + 90 = 890

1. Work out these Roman numerals.

a. VII = 7

b. CLIII = 153

c. XIX = 19

d. CIX = 109

e. XXXV = 35

f. DLI = 551

g. XXXVIII = 38

h. DCCX = 710

i. LXX = 70

j. CCCXX = 320

k. MCM = 1900

l. MDCLV = 1655

Translate these Roman numerals. Don't forget to show your working out!

① MD **1000 + 500 = 1500**

④ CXVI **100 + 10 + 6 = 116**

② MCD **1000 + 400 = 1400**

⑤ DCLX **500 + 100 + 50 + 10 = 660**

③ XXXIV **(3 x 10) + 4 = 34**

⑥ CXIII **100 + 10 + (3 x 1) = 113**

Write these numbers in Roman numerals.

① 35 **XXXV**

④ 283 **CCLXXXIII**

② 100 **C**

⑤ 570 **DLXX**

③ 99 **XCIX**

⑥ 27 **XXVII**

Arrange these numbers in size order (smallest to largest).

30	35	40	45	50	55	60	65
XXX,	XXXV,	XL,	XLV,	L,	LV,	LX,	LXV

Arrange these numbers in size order (smallest to largest).

50	100	150	200	250	300	350	400
L,	C,	CL,	CC,	CCL,	CCC,	CCCL,	CD

Count in hundreds from one hundred.

C, CC, **CCC**, **CD**, D, **DC**, **DCC**, **DCCC**, **CM**, **M**

Count in five hundreds from five hundred.

D, **M**, **MD**, **MM**, MMD, **MMM**, **MMMD**

Complete these calculations.

① CD + DC = **M**

④ XL + LX = **C**

② VI + IV = **X**

⑤ CM + MC = **MM**

③ XI + IX = **XX**

⑥ CX + XC = **CC**