MATHEMATICS *Roman numerals & place value*

ROMAN NUMERALS

IN THE ROMAN NUMBER SYSTEM, NUMERALS ARE REPRESENTED BY 7 CAPITAL LETTERS FROM OUR ALPHABET. THESE LETTERS ARE COMBINED IN DIFFERENT WAYS TO FORM NUMBERS. THE VALUES OF THE LETTERS ARE ADDED TOGETHER, UNLESS A LETTER WITH A LESSER VALUE COMES BEFORE ONE WITH A LARGER VALUE. IN THIS CASE, THE VALUE IS THE DIFFERENCE OF THE TWO LETTER VALUES.

FOLLOWING ARE THE 7 LETTERS AND THEIR VALUES:

I → one
V → five
X → ten
L → fifty
C → one hundred
D → five hundred
M → one thousand

PLACE VALUE

Hundred Trillions	Ten Trillions	One Trillions	Hundred Billions	Ten Billions	One Billions	Hundred Millions	Ten Millions	One Millions	Hundred Thousands	Ten Thousands	One Thousands	Hundreds	Tens	Ones
1	5	4	3	9	9	7	1	5	4	6	2	1	0	0

Number	Zeros
Thousand	3
Million	6
Billion	9
Trillion	12
Quadrillion	15
Quintillion	18
Sextillion	21
Septillion	24
Octillion	27
Nonillion	30
Decillion	33

Read this number as one hundred fifty-four trillion, three hundred ninety-nine billion, seven hundred fifteen million, four hundred sixty-two thousand, six hundred. **Write** this number as 154,399,715,462,100.

NUMBER PREFIXES

uni- --- *one*
bi- -- *two*
tri- -- *three*
quadri- -- *four*
quint- --- *five*
sex- --- *six*
sept- --- *seven*
oct- --- *eight*
non- -- *nine*
deci- -- *ten*

{1}=I
{2}=II
{3}=III
{4}=IV
{5}=V
{6}=VI
{7}=VII
{8}=VIII
{9}=IX
{10}=X
{11}=XI
{12}=XII
{13}=XIII
{14}=XIV
{15}=XV
{16}=XVI
{17}=XVII
{18}=XVIII
{19}=XIX
{20}=XX
{30}=XXX
{40}=XL
{50}=L
{60}=LX
{70}=LXX
{80}=LXXX
{90}=XC
{100}=C
{500}=D
{1000}=M