

Subject - Maths

Chapter - Roman Numerals

We know that Romans used seven symbols to write any Roman numeral. These symbols and their corresponding Hindu-Arabic numerals are follows:

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

⇒ The seven basic symbols of Roman systems are combined according to certain rules to write other Roman numerals.

⇒ Repetition of a Roman numeral means addition.

Example ⇒ $II = 1 + 1 = 2$, $III = 1 + 1 + 1 = 3$
 $XX = 10 + 10 = 20$, $XXX = 10 + 10 + 10 = 30$

Remember ⇒

V, L and D can not repeated while I, X, C and M can be repeated at the most three times.

⇒ When a smaller symbol is placed on the right side of a greater symbol, then the value of smaller symbol placed on the right side is added to the value of greater symbol.

Example ⇒ $VI = 5 + 1 = 6$

$VII = 5 + 1 + 1 = 7$

$VIII = 5 + 1 + 1 + 1 = 8$

$XI = 10 + 1 = 11$

⇒ When a smaller symbol is placed on the left side of a greater symbol, then the value of smaller symbol placed on the left side is subtracted from the value of greater symbol.

Example = $IV = 5 - 1 = 4$
 $IX = 10 - 1 = 9$.

⇒ When a symbol is placed in between the two greater symbols, then its value is subtracted from the value of the greater symbol that is on its right.

Example ⇒

$$XIV = 10 + (5 - 1) = 10 + 4 = 14$$

$$XIX = 10 + (10 - 1) = 10 + 9 = 19$$

$$XXIV = 10 + 10 + (5 - 1) = 10 + 10 + 4 = 24$$

$$XXIX = 10 + 10 + (10 - 1) = 20 + 9 = 29$$

Table for Some Roman numerals
from 1 to 100

Hindu-Arabic Numerals	Roman Numerals	Hindu Arabic Numerals	Roman Numerals
1	I	16	XVI
2	II	17	XVII
3	III	18	XVIII
4	IV	19	XIX
5	V	20	XX
6	VI	30	XXX
7	VII	40	XL
8	VIII	50	L
9	IX	60	LX
10	X	70	LXX
11	XI	80	LXXX
12	XII	90	XC
13	XIII	100	C
14	XIV	200	CC
15	XV	300	CCC

Q1 ⇒ Write the Roman numerals for the following in the given boxes.

- a. 9
- b. 23
- c. 19
- d. 18
- e. 36
- f. 53
- g. 27
- h. 97
- i. 74
- j. 17

Q2 ⇒ Write the Hindu-Arabic numerals for the following in the given boxes.

- a. VIII
- b. XXI
- c. XV
- d. XVI
- e. XX
- f. XCI
- g. LXIX
- h. LV
- i. XLV
- j. XXIV

Q3 ⇒ Fill in the blanks with appropriate symbols ">" "<" or "="

- a. 11 XV
- b. XXIX 38
- c. 20 XIX
- d. 35 XXXV
- e. XIV 14
- f. 63 LXIX

Q4 ⇒ Which one of the following has no meaning?

a. XIVV b. IXXII

c. XXV d. VV

e. XVIII f. XIII

g. VVX h. XXII