

Class – IV

Note: Students are requested to write the notes in fair copy, **write the answers with pencil** rest of the things you can write with pen.

Chapter no. 2

Roman Numerals

Important Points:

- Roman Numbers are another way to write numbers, but it has 7 symbols in place of 10 digits.

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

- Rules to write Roman Numbers:

Rule of repetition:

1. Symbol I ,X and C can be repeated only three times.(Any symbol is not repeated more than three times)
2. The symbols V, L and D are never repeated.

Rule of addition:

1. If a smaller symbol is written to the right of another symbol with greater value, then its value gets added to the value of the greater symbol. For ex: VI ($5+1 = 6$), XI ($10+1=11$), XII ($10 + 1 + 1 = 12$)

Rule of subtraction:

1. If a smaller symbol is written on the left of a symbol with greater value, then its value is subtracted from the value of the greater symbol. For ex: IV ($5-1 = 4$), IX ($10 - 1 = 9$)
2. A symbol cannot be subtracted more than once from a particular symbol.
3. V, L and D are never subtracted.
4. The symbol I can be subtracted from V and X only.
5. The symbol X can be subtracted from L, M and C only.

Roman numeral Chart – with the help of this chart we can write any number in the form of Roman numeral.

Hindu-Arabic Numeral	Roman Numeral	
1	I	10 – X
2	II	20 – XX
3	III	30 – XXX
4	IV	40 – XL
5	V	50 – L
6	VI	60 – LX
7	VII	70 – LXX
8	VIII	80 – LXXX
9	IX	90 – XC
10	X	100 – C

For ex: If we have to write 45 in the form of a Roman numeral we can take the value of 40 and 5 and add them-

$$40 = XL, 5 = V \Rightarrow XLV (45)$$

In the same way if we have to write 77 then-

$$70 = LXX, 7 = VII \Rightarrow LXXVII (77)$$

Exercise – 1

1. Complete the following tables :

(a)

Hindu – Arabic Numeral	Roman Numeral
14	
	XXXIII
	LXI
85	
57	
	LXXIV

(b)

Hindu – Arabic Numeral	Roman Numeral
	XLVIII
66	
	XC
22	
99	

	LXXXVIII
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2. Write >, < or =

- | | | | |
|-----|--------|----------------------|--------|
| (a) | 98 | <input type="text"/> | XCVIII |
| (b) | 34 | <input type="text"/> | XXXIV |
| (c) | LXIII | <input type="text"/> | 73 |
| (d) | LXXX | <input type="text"/> | 82 |
| (e) | XCVIII | <input type="text"/> | XCIX |
| (f) | LX | <input type="text"/> | XL |

3. Write the answer in Roman numerals:

- | | | | | | |
|-----|-------|---|------|---|-------|
| (a) | XXIII | + | V | = | |
| (b) | XXXIX | + | VIII | = | |
| (c) | XC | + | XL | = | |
| (d) | V | + | XII | = | |
| (e) | C | + | X | = | |
| (f) | LV | + | V | = | |

4. Circle the incorrect Roman numerals:

- (a) XV IIIX XL XXC LIII XCVIII
- (b) XIX IVX XL XXXC LIV
- (c) XC XXC LII CVIV XXXIV