



CLASS: III

Subject: Mathematics

Date: 04-05-2020

Topic: *Number System*

Time Limit: 30 minutes

Worksheet No. : 7

[Copy the questions following the notes and solve them on a sheet of paper date wise. Keep the worksheets ready in a file to be submitted on the opening day.]

Roman Numerals

What are roman numerals?

Unlike the Hindu-Arabic numerals (the number system that we are using so far) ,only 7 symbols form the entire Roman Numerals. They are - **I, V, X, L, C, D** and **M**.

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

Tap on the underlined blue sentence below to watch over the video content of -
How to write Roman numerals :

[How to write Roman numerals:](#)

There are four important rules which need to be followed while representing Roman numerals.

Rule 1.

The numerals I, X, C and M can be repeated to represent numbers but cannot be repeated more than three times.

Example :-

I = 1 X = 10 M = 1000
 II = 2 XX = 20 MM = 2000
 III = 3 XXX = 30 MMM = 3000

Rule 2 .

A smaller numeral written to the right of the greater numeral gets added to and a smaller numeral written to the left of a greater numeral gets subtracted from the greater numeral.

Example :-

IX = (10-1)= 9 CD= 500-100= 400
 DC = 500+100= 600 LX= 50+10= 60
 XI = 10+1= 11 XL =50-10= 40

Now learn the two given rules and try to answer the following questions :-

1. Write the Roman numerals for the following Hindu-Arabic numerals :-

a. 4 = c. 400 = d. 70 =

b. 21 = d. 700 = e. 90 =

Rule 3 :-

A smaller numeral that occurs between two higher numerals is always subtracted from the numeral that follows .

Example :-

$$\text{LIV} = 50 + (5 - 1) = 50 + 4 = 54$$

$$\text{CCXL} = 200 + (50 - 10) = 200 + 40 = 240.$$

Rule 4 :-

Only the numerals I, X, and C can be subtracted from higher numerals. The numerals V, L and D are never subtracted.

Now learn the above 2 rules and try to answer the following questions :-

2. Write the Roman numerals for the following Hindu-Arabic numerals :-

a. 64 = c. 74 =

b. 340 = d. 440 =