

EXERCISE 1.10

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1. Write the roman-numerals for each of the following:

(i) 33

(ii) 48

(iii) 76

(iv) 95

Solution:

(i) The roman-numeral of 33 is XXXIII.

(ii) The roman-numeral of 48 is XLVIII.

(iii) The roman-numeral of 76 is LXXVI.

(iv) The roman-numeral of 95 is XCV.

2. Write the following in Roman numerals:

(i) 154

(ii) 173

(iii) 248

(iv) 319

Solution:

(i) The roman-numeral of 154 is CLIV.

(ii) The roman-numeral of 173 is CLXXIII.

(iii) The roman-numeral of 248 is CCXLVIII.

(iv) The roman-numeral of 319 is CCCXIX.

3. Write the following in Roman numerals:

(i) 1008

(ii) 2718

(iii) 3906

(iv) 3794

Solution:

(i) The roman-numeral of 1008 is MVIII.

(ii) The roman-numeral of 2718 is MMDCCXVIII.

(iii) The roman-numeral of 3906 is MMMCMVI.

(iv) The roman-numeral of 3794 is MMMDCCXCIV.

4. Write the following in Roman numerals:

(i) 4201

(ii) 10009

(iii) 44000

(iv) 25819

Solution:

(i) The roman-numeral of 4201 is MVCCI.

(ii) The roman-numeral of 10009 is XIX.

(iii) The roman-numeral of 44000 is \overline{XLIV} .

(iv) The roman-numeral of 25819 is $\overline{XXV}DCCCXIX$.

5. Write the following in Hindu-Arabic numerals:

(i) XXVI

(ii) XXIX

(iii) LXXII

(iv) XCI

Solution:

(i) The Hindu-Arabic numerals of XXVI is 26.

(ii) The Hindu-Arabic numerals of XXIX is 29.

(iii) The Hindu-Arabic numerals of LXXII is 72.

(iv) The Hindu-Arabic numerals of XCI is 91.

6. Write the corresponding Hindu-Arabic numerals for each of the following:

(i) CIX

(ii) CLXXII

(iii) CCLIV

(iv) CCCXXIX

Solution:

(i) The Hindu-Arabic numerals of CIX is 109.

(ii) The Hindu-Arabic numerals of CLXXII is 172.

(iii) The Hindu-Arabic numerals of CCLIV is 254.

(iv) The Hindu-Arabic numerals of CCCXXIX is 329.

7. Write the corresponding Hindu-Arabic numerals for each of the following:

(i) KXIX

(ii) KDLXV

(iii) KKCCXXIII

(iv) KKKDCXL

Solution:

(i) The Hindu-Arabic numerals of KXIX is 1019.

- (ii) The Hindu-Arabic numerals of KDLXV is 1565.
- (iii) The Hindu-Arabic numerals of KKCXXIII is 2123.
- (iv) The Hindu-Arabic numerals of KKKDCXL is 3640.

8. Write the following in Hindu-Arabic numerals:

- (i) $\overline{IVCDXLIV}$
- (ii) $\overline{VICKXLIX}$
- (iii) $\overline{IXCCCXCI}$
- (iv) \overline{LXXIX}

Solution:

- (i) The Hindu-Arabic numerals of $\overline{IVCDXLIV}$ is 4444.
- (ii) The Hindu-Arabic numerals of $\overline{VICKXLIX}$ is 6949.
- (iii) The Hindu-Arabic numerals of $\overline{IXCCCXCI}$ is 9391.
- (iv) The Hindu-Arabic numerals of \overline{LXXIX} is 70009.

9. Which of the following are meaningless?

- (i) \overline{IIICC}
- (ii) $\overline{KKKCCXI}$
- (iii) \overline{XD}
- (iv) \overline{VC}

Solution:

In the given question we know that (i), (iii) and (iv) are meaningless.