



Exercise 1G

Q1

Answer :

We may write these numbers as given below:

(i) $2 = \text{II}$

(ii) $8 = (5 + 3) = \text{VIII}$

(iii) $14 = (10 + 4) = \text{XIV}$

(iv) $29 = (10 + 10 + 9) = \text{XXIX}$

(v) $36 = (10 + 10 + 10 + 6) = \text{XXXVI}$

(vi) $43 = (50 - 10) + 3 = \text{XLIII}$

(vii) $54 = (50 + 4) = \text{LIV}$

(viii) $61 = (50 + 10 + 1) = \text{LXI}$

(ix) $73 = (50 + 10 + 10 + 3) = \text{LXXIII}$

(x) $81 = (50 + 10 + 10 + 10 + 1) = \text{LXXXI}$

(xi) $91 = (100 - 10) + 1 = \text{XCI}$

(xii) $95 = (100 - 10) + 5 = \text{XCV}$

(xiii) $99 = (100 - 10) + 9 = \text{XCIX}$

(xiv) $105 = (100 + 5) = \text{CV}$

(xv) $114 = (100 + 10) + 4 = \text{CXIV}$

Q2

Answer :

We may write these numbers in Roman numerals as follows:

- (i) $164 = (100 + 50 + 10 + 4) = \text{CLXIV}$
- (ii) $195 = 100 + (100 - 10) + 5 = \text{CXC V}$
- (iii) $226 = (100 + 100 + 10 + 10 + 6) = \text{CCXXVI}$
- (iv) $341 = 100 + 100 + 100 + (50 - 10) + 1 = \text{CCCXLI}$
- (v) $475 = (500 - 100) + 50 + 10 + 10 + 5 = \text{CDLXXV}$
- (vi) $596 = 500 + (100 - 10) + 6 = \text{DXCVI}$
- (vii) $611 = 500 + 100 + 11 = \text{DCXI}$
- (viii) $759 = 500 + 100 + 100 + 50 + 9 = \text{DCCLIX}$

Q3

Answer :

We can write the given Roman numerals in Hindu-Arabic numerals as follows:

- (i) $\text{XXVII} = 10 + 10 + 7 = 27$
- (ii) $\text{XXXIV} = 10 + 10 + 10 + 4 = 34$
- (iii) $\text{XLV} = (50 - 10) + 5 = 45$
- (iv) $\text{LIV} = 50 + 4 = 54$
- (v) $\text{LXXIV} = 50 + 10 + 10 + 4 = 74$
- (vi) $\text{XCI} = (100 - 10) + 1 = 91$
- (vii) $\text{XCVI} = (100 - 10) + 6 = 96$
- (viii) $\text{CXI} = 100 + 10 + 1 = 111$
- (ix) $\text{CLIV} = 100 + 50 + 4 = 154$
- (x) $\text{CCXXIV} = 100 + 100 + 10 + 10 + 4 = 224$
- (xi) $\text{CCCLXV} = 100 + 100 + 100 + 50 + 10 + 5 = 365$
- (xii) $\text{CDXIV} = (500 - 100) + 10 + 4 = 414$
- (xiii) $\text{CDLXIV} = (500 - 100) + 50 + 10 + 4 = 464$
- (xiv) $\text{DVI} = 500 + 6 = 506$
- (xv) $\text{DCCLXVI} = 500 + 100 + 100 + 50 + 10 + 6 = 766$

Q4

Answer :

- (i) VC is wrong because V, L and D are never subtracted.
- (ii) IL is wrong because I can be subtracted from V and X only.
- (iii) VVII is wrong because V, L and D are never repeated.
- (iv) IXX is wrong because X (ten) must be placed before IX (nine).

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