

# **St. Andrews Scots Sr. Sec. School**

**9th Avenue, I.P. Extension, Patparganj, Delhi -110092**

**Session: 2025-2026**

**Class: V      Subject: Mathematics      Topic: Unit -2 (Roman Numbers)**

Questions to be done-

Warm up points –

Remember points –

Roman Number tables

Ex-1 Q.1, Q.4 (Book)

Q.2, Q.3

Q.5 (Book H.W)

Mental Maths Corner

Case based questions-

## Lesson-2 : Roman Numerals

### Warm Up

1. Greatest : LVI = 56
2. Smallest : XLV = 45
3. Greatest : LXII = 62
4. Smallest : LXXIV = 74

### Exercise-1

1. (a) (i)  $XC - XXI = (100 - 10) - (10 + 10 + 1) = 90 - 21 = 69 = LXIX = L + XIX$   
(b) (ii)  $264 = 200 + 60 + 4 = CC + LX + IV = CCLXIV$
2. (a)  $334 = 300 + 30 + 4 = CCC + XXX + IV = CCCXXXIV$   
(b)  $467 = 400 + 60 + 7 = CD + LX + VII = CDLXVII$   
(c)  $579 = 500 + 70 + 9 = D + LXX + IX = DLXXIX$   
(d)  $212 = 200 + 10 + 2 = CC + X + II = CCXII$   
(e)  $289 = 200 + 80 + 9 = CC + LXXX + IX = CCLXXXIX$
3. (a)  $CCLXXXII = CC + LXXX + II = 200 + 80 + 2 = 282$   
(b)  $DCCLXII = DCC + LX + II = 700 + 60 + 2 = 762$   
(c)  $CXXXV = C + XXX + V = 100 + 30 + 5 = 135$   
(d)  $CLXII = C + LX + II = 100 + 60 + 2 = 162$   
(e)  $CXC = C + XC = 100 + 90 = 190$

4.

|       |       |         |       |        |
|-------|-------|---------|-------|--------|
| VVV ✗ | XXX   | CCCVIII | DDD ✗ | XXXX ✗ |
| IL ✗  | VVI ✗ | DDX ✗   | CIX   | LXXXIX |

5.  $457 = 400 + 50 + 7 = CD + L + VII = CDLVII$   
 $189 = 100 + 80 + 9 = C + LXXX + IX = CLXXXIX$   
 $366 = 300 + 60 + 6 = CCC + LX + VI = CCCLXVI$   
 $545 = 500 + 40 + 5 = D + XL + V = DXLV$   
So, (a) A—(iv), B—(iii), C—(i), D—(ii) is correct.

### Critical Thinking

1.  $L - XXIX + XIV = 50 - 29 + 14$   
 $= 64 - 29 = 35 = XXXV$
2.  $M - DCCCL + C = 1000 - (500 + 300 + 50) + 100$   
 $= 1000 - 850 + 100 = 1100 - 850$   
 $= 250 = CCL$

## Mental Maths Corner

1. (a)  $CXLVI = 100 + 40 + 6 = 146$ ,  $C = 100$   
Now,  $146 - 100 = 46$  and  $46 = XLVI$   
So,  $C + XLVI = CXLVI$
- (b)  $CD = 400$ ,  $D = 500$   
Now,  $500 - 400 = 100$  and  $100 = C$   
So,  $CD + C = D$
- (c)  $CD = 400$ ,  $CM = 900$   
Now,  $900 - 400 = 500$  and  $500 = D$   
So,  $CD + D = CM$
- (d)  $D + D = 500 + 500 = 1000 = M$
2. (a)  $CV = 105$ ,  $CX = 110$ ,  $CXV = 115$ ,  $CXX = 120$   
Each term is 5 more than the preceding term (except the first term).  
So, the next terms are  
 $125 = CXXV$ ,  $130 = CXXX$ ,  $135 = CXXXV$ ,  $140 = CXL$
- (b)  $DCCXCI = 791$ ,  $DCCXCIV = 794$ ,  $DCCXCVII = 797$ ,  
 $DCCC = 800$   
Each term is 3 more than the preceding term (except the first term).  
So, the next terms are  
 $803 = DCCCIII$ ,  $806 = DCCCVI$ ,  $809 = DCCCIX$ ,  
 $812 = DCCCXII$

## Case Based Questions

1.  $CDLXXVI = CD + LXX + VI = 400 + 70 + 6 = 476$   
Thus, Aryabhata was born in 476 CE.
  2.  $CDXCIX = CD + XC + IX = 400 + 90 + 9 = 499$   
Thus, Aryabhata was written in 499 CE.
  3.  $CDLXXVI = 476$   
 $DL = 500 + 50 = 550$   
Now,  $550 - 476 = 74$   
Thus, Aryabhata lived for 74 years.
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