

Ch-4 ROMAN NUMERALS

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

2 a) $79 \rightarrow LXXIX$ b) $XCVI \rightarrow 96$

3 a) True b) False

4 c) $17 \rightarrow 10 + 5 + 2 = XVII$

f) $59 \rightarrow 50 + (10 - 1) = LIX$

h) $82 \rightarrow 50 + 10 + 10 + 10 + 2 = LXXXII$

i) $105 \rightarrow 100 + 5 = CV$

d) $149 \rightarrow 100 + (50 - 10) + (10 - 1) = CXLIX$

n) $489 \rightarrow (500 - 100) + 50 + 30 + (10 - 1) = CDLXXXIX$

p) $695 \rightarrow 500 + 100 + (100 - 10) + 5 = DCXCV$

r) $899 \rightarrow 500 + 300 + (100 - 10) + (10 - 1) = DCCCXCIX$

s) $956 \rightarrow (1000 - 100) + 50 + 5 + 1 = CMLVI$

5 a) $XXVIII \rightarrow 28$

c) $LIX = 59$

e) $LXIX = 50 + 10 + 9 = 69$

g) $XXXIX = 30 + 9 = 39$

i) $LXXII = 50 + 20 + 2 = 72$

k) $CXVIII = 100 + 10 + 8 = 118$

m) $LXXXIX = 50 + 30 + 9 = 89$

o) $CDXXVI = (500 - 100) + 20 + 6 = 426$

q) $DLXXXVII = 500 + 50 + 30 + 7 = 587$

s) $CMLXIX = (1000 - 100) + 50 + 10 + 9 = 969$

u) $MDCLXX = 1000 + 500 + 100 + 50 + 30 = 1680$

w) $MDCLXIX = 1000 + 500 + 100 + 50 + 10 + 9 = 1669$

6) b) $CCCVI = 300 + 6 = 306$

c) $MCCCVI = 1000 + 200 + 6 = 1206$

d) $MCMVI = 1000 + 900 + 6 = 1906$

f) $MMCDXXX = 2000 + 400 + 30 = 2430$

Ex 15 -A

1 .Name the line segment :

a) AB, BC ,CD ,DA ,BD ,AC c) PQ , QR , RP ,TS ,SP ,QT , RS .

2. a) Vertex – E Arms - EF AND ED c) Vertex – Q , Arms – QR , QP

3 . a) Acute angle b) Obtuse angle d) Right angle .

6 a) AB=BC=CD=AD = 4.7 cm b) PS = QR = 2.7 cm ,PQ=RS = 4.8 cm .

EX – 15 B

1 a) Equilateral Triangle b)Acute Triangle c) Obtuse Triangle d) Right Triangle

d) Scalene Triangle

2 a)base = 7 cm

Height = 24 cm

Area of the right triangle = $\frac{1}{2}$ x base x height

$$= \frac{1}{2} \times 7 \times 24$$

$$= 84 \text{ sq.cm}$$

b)base = 8 cm

height = 15 cm

Area = $\frac{1}{2}$ x base x height

$$= \frac{1}{2} \times 8 \times 15$$

$$= 60 \text{ sq.cm}$$