**Jesus and Mary School**

**11 May 2020 Class-4 MODULE - 2**

**Mathematics**

**Roman Numerals**

We have already study that Roman used 7-basic symbols to write the numbers. They are **I , V , X , L ,C , D** and **M** . We will study the first three symbols in this class. These are

**I** =1, **V**=5, **X**=10

**Rules for writing the Roman Numerals:**

1. If a symbol is repeated, the value of the symbol is added as many times as it is repeated but remember that the symbol **V** is never repeated and a symbol cannot be repeated more than 3 times.

**Examples:** **III** = 1+ 1 +1=3

**XX** = 10+10=20

**XXX** = 10+10+10=30

1. If a symbol of a smaller value is written to the left of a symbol of greater value, the smaller value is subtracted from the greater value but V is never subtracted.

**Examples:** **IV** = 5 – 1=4

**IX** = 10 – 1=9

1. If a symbol of a smaller value is written to the right of a greater value, the smaller value is added to the greater value.

**Examples:** **VII** = 5+1+1=7

**XI** = 10+1=1

**XV** = 10+5=15

1. For writing numerals beyond 10, divide the numerals in groups of 10s and 1s and then write the Roman according to those groups.

**Examples:** 15 = 10+5=**XV**

29 = 10+10+9=**XXIX**

34 = 10+10+10+4=**XXXIV**

**Worksheet-2**

**NOTE: Worksheet has to be done in your notebook.**

**Q1. Write the Hindu Arabic numerals for the following Roman numerals**.

1. XI b. XVIII c. XIII d. IV e. XXXVII f.XIX

**Q2. Write the Roman numerals for the following Hindu Arabic numerals.**

a.18 b.13 c. 29 d.36 e. 25 f.10

**Q3. Compare using the >, < or =**

a. XXIV [ ] 26

b. XXV [ ] 15

c. XI [ ] 9

d.XII [ ] 12

e. XXXIX [ ] 29

f. XII [ ] 21

**Q.4 Solve and write the answer in Roman numerals.**

a. 20-4 b.29-8 c. XXIII+XII d.XII+5 e.30+6 f. VII+IX

**Q5. Match the following:**

**Column A Column B**

1. III+VI I. 30
2. XXX-V II. 4
3. VI-II III. 39
4. XXXIX-IX IV. 9
5. XXX+IX V. 25

**Solution of worksheet - 1**

**Ans1.a.Thirty two thousand eight hundred seventeen**

**b. Forty thousand ninety two**

**c. One lakh twenty three thousand four hundred fifty six**

**d. Six lakh thirty six thousand four hundred six**

**e. Two lakh ninety three thousand four hundred twelve**

**f. Twenty four thousand one hundred seventy three**

**Ans2. a. 99,401 b. 61,214 c.5, 16,547 d. 7, 07,423 e. 2, 15,307 f. 52,342**

**Ans3. a. 21,603 = 20,000+1,000+600+0+3 b. 4,30,594=4,00,000+30,000+0+500+90 c. 3,21,615=3,00,000+20,000+1,000+600+10+5 d. 1,23,074=1,00,000+20,000+3,000+0+70+4 e. 82,034=80,000+2,000+0+30+4 f. 9,99,389=9,00,000+90,000+9,000+300+80+9**

**Ans4.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Number** | **Face value** | **Place value** |
| **a.** | **3,17,856** | **7** | **7,000** |
| **b.** | **18,132** | **3** | **30** |
| **c.** | **3,44,516** | **5** | **500** |
| **d.** | **7,55,607** | **0** | **0** |
| **e.** | **81,415** | **8** | **80,000** |
| **f.** | **9,31,420** | **3** | **30,000** |