

SOLUTIONSCh. 2. ROMAN NUMERALSEXERCISE - 2A

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Q.A. Write each of the following Hindu-Arabic numerals in Roman numerals:

(1)  $10 = X$

(2)  $12 = XII$

(3)  $23 = XXIII$

(4)  $35 = XXXV$

(5)  $18 = XVIII$

(6)  $24 = XXIV$

(7)  $25 = XXV$

(8)  $29 = XXIX$

(9)  $30 = XXX$

(10)  $39 = XXXIX$

Q.B. Write each of the following Roman numerals in Hindu-Arabic numerals:

(1)  $VII = 7$

(2)  $XVI = 16$

(3)  $XXV = 25$

(4)  $XIX = 19$

(5)  $XXVIII = 28$

(6)  $XXX = 30$

(7)  $XXI = 21$

(8)  $XXXIX = 39$

(9)  $XXXVII = 37$

(10)  $XXIII = 23$

EXERCISE - 2B

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Q.A. Write the Roman numeral for each of the following Hindu-Arabic numerals:

(1)  $42 = XLII$

(2)  $53 = LIII$

(3)  $59 = LIX$

(4)  $67 = LXVII$

(5)  $68 = LXVIII$

(6)  $71 = LXXI$

(7)  $84 = LXXXIV$

(8)  $89 = LXXXIX$

(9)  $97 = XCVII$

(10)  $99 = XCIX$

(11)  $103 = CIII$

(12)  $111 = CXI$

(13)  $123 = CXXIII$

(14)  $134 = CXXXIV$

- |                    |                     |
|--------------------|---------------------|
| (15) 142 = CXLII   | (16) 158 = CLVIII   |
| (17) 170 = CLXX    | (18) 183 = CLXXXIII |
| (19) 189 = CLXXXIX | (20) 198 = CXC VIII |

S.B. Write the Hindu-Arabic numeral for each of the following Roman numerals:

- |                     |                   |
|---------------------|-------------------|
| (1) XLIII = 43      | (2) LXIX = 69     |
| (3) LXXI = 71       | (4) LXXXVII = 87  |
| (5) XC = 90         | (6) CVIII = 108   |
| (7) CXVI = 116      | (8) CXXIV = 124   |
| (9) CXXXIX = 139    | (10) CXLI = 141   |
| (11) CL = 150       | (12) CLVII = 157  |
| (13) CLXI = 161     | (14) CLXX = 170   |
| (15) CLXXVIII = 178 | (16) CLXXXI = 181 |
| (17) CLXXXIX = 189  | (18) CXC = 190    |
| (19) CXCIII = 193   | (20) CC = 200     |

S.C. Write the Roman numeral for each of the following Hindu-Arabic numerals:

- |                     |                    |
|---------------------|--------------------|
| (1) 347 = CCCXLVII  | (2) 418 = CDXVIII  |
| (3) 630 = DCXXX     | (4) 700 = DCC      |
| (5) 449 = CDXLIX    | (6) 535 = DXXXV    |
| (7) 565 = DLXV      | (8) 433 = CDXXXIII |
| (9) 398 = CCCXCVIII | (10) 676 = DCLXXVI |

S.D. Write the Hindu-Arabic numeral for each of the following Roman numerals:

- |                   |                  |
|-------------------|------------------|
| (1) CCCL = 350    | (2) CDLXXI = 471 |
| (3) DCCVIII = 708 | (4) CDVIII = 408 |
| (5) DCVII = 607   | (6) DIII = 503   |
| (7) CCCXL = 340   | (8) DCXL = 640   |

Date \_\_\_/\_\_\_/\_\_\_

Q.E. Compare the following pairs of Roman numerals and fill in  $>$  or  $<$ :

- (1) XLIX  $<$  LXXI      (2) XC  $<$  CX  
 (3) LXXXII  $>$  LXXVII      (4) XCIII  $<$  CXIII  
 (5) LXXXIX  $<$  CXXXIX      (6) CLXXIV  $>$  CLIV  
 (7) CLXV  $>$  CXLV      (8) CLXXXVII  $>$  CXLVII  
 (9) CXCII  $<$  CC      (10) CL  $>$  XC

Q.F. Match the numerals of the two columns which indicate the same number. (Do straight matching)

- (1) 98  $\longrightarrow$  (c) XCVIII  
 (2) 45  $\longrightarrow$  (e) XLV  
 (3) 59  $\longrightarrow$  (g) LIX  
 (4) 111  $\longrightarrow$  (j) CXI  
 (5) 168  $\longrightarrow$  (h) CLXVIII  
 (6) 84  $\longrightarrow$  (a) LXXXIV  
 (7) 49  $\longrightarrow$  (i) XLIX  
 (8) 127  $\longrightarrow$  (b) CXXVII  
 (9) 142  $\longrightarrow$  (f) CXLII  
 (10) 193  $\longrightarrow$  (d) CXCIII

Note: Dear students, please write down the solutions in Maths class work copy.

## SOLUTIONS

Date: \_\_\_\_\_

Ch.3. OPERATIONS ON LARGE NUMBERSEXERCISE - 3A

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Q. (A) Add:

Solutions (1)(1)(1)

$$\begin{array}{r} 1) \quad 4030 \\ + 7081 \\ \hline \end{array}$$

11,111 Ans

$$\begin{array}{r} (3) \quad 9537 \\ \quad 1243 \\ \hline \end{array}$$

$$+ 5421$$

16,201 Ans

$$\begin{array}{r} (4) \quad 2536 \\ \quad 5384 \\ \hline \end{array}$$

$$+ 1207$$

9,127 Ans

Q. (B) Subtract: solutions:

$$\begin{array}{r} 1) \quad (7) \quad 7839 \\ - 3280 \\ \hline \end{array}$$

4,559 Ans

$$\begin{array}{r} (3) \quad (6) \quad (4) \quad (9) \quad (10) \\ \quad 7500 \\ - 4627 \\ \hline \end{array}$$

2,873 Ans

$$\begin{array}{r} (4) \quad (5) \quad (9) \quad (9) \quad (10) \\ \quad 6000 \\ - 2809 \\ \hline \end{array}$$

$$- 2809$$

3,191 Ans

Q. (C) Multiply:

Solutions:

$$\begin{array}{r} (3) \quad 903 \\ \times 47 \\ \hline \end{array}$$

$$6321$$

$$+ 36120$$

42,441 Ans

$$\begin{array}{r} (5) \quad 2906 \\ \times 147 \\ \hline \end{array}$$

$$20342$$

$$116240$$

$$+ 290600$$

4,27,182 Ans

$$\begin{array}{r} (7) \quad 3028 \\ \times 216 \\ \hline \end{array}$$

$$18168$$

$$30280$$

$$+ 605600$$

6,54,048 Ans

Q. (D) Divide:

Solutions:

$$\begin{array}{r} (3) \quad Q \rightarrow 100 \\ 25 \overline{) 2510} \\ - 25 \phantom{00} \\ \hline \end{array}$$

$$- 25 \phantom{00}$$

$$\phantom{-} 1 \phantom{00}$$

$$= 0$$

$$\phantom{-} 10$$

$$- 00$$

$$R \rightarrow 10$$

$$Q = 100$$

$$R = 10$$

Ans

$$\begin{array}{r} (5) \quad Q \rightarrow 143 \\ 23 \overline{) 3294} \\ - 23 \phantom{00} \\ \hline \end{array}$$

$$- 23 \phantom{00}$$

$$\phantom{-} 99$$

$$- 92$$

$$\phantom{-} 74$$

$$- 69$$

$$R \rightarrow 5$$

$$Q = 143$$

$$R = 5$$

Ans

$$\begin{array}{r} (7) \quad 103 \leftarrow Q \\ 31 \overline{) 3197} \\ - 31 \phantom{00} \\ \hline \end{array}$$

$$- 31 \phantom{00}$$

$$\phantom{-} 9$$

$$- 0$$

$$\phantom{-} 97$$

$$- 93$$

$$R \rightarrow 4$$

$$Q = 103$$

$$R = 4$$

Ans

Date

## EXERCISE - 3A

Saathi  
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Q.E. Fill in the blanks:

1.  $1063 + 9562 = 9562 + \underline{1063}$

2.  $1074 + \underline{0} = 1074$

3.  $\underline{0} + 9573 = 9573$

4.  $1073 - \underline{0} = \underline{1073}$

5.  $2051 - \underline{2051} = 0$

6.  $612 \times 8 = 8 \times \underline{612}$

7.  $\underline{1} \times 3146 = 3146$

8.  $8734 \times \underline{0} = 0$

9.  $8305 \times 10 = \underline{83,050}$

10.  $2573 \times 100 = \underline{2,57,300}$

11.  $436 \times 1000 = \underline{4,36,000}$

12.  $5284 \times 10 = \underline{52,840}$

13.  $5190 \div 10$  gives quotient = 519 and remainder = 0

14.  $8734 \div 100$  gives quotient = 87 and remainder = 34

15.  $8572 \div 1000$  gives quotient = 8 and remainder = 572