

DAV MPS PATRATU

RAJPUR BALRAMPUR C.G.

SUMMER VACATION HOMEWORK (2020-2021)

CLASS – VI

SUBJECT - MATHS

These symbols are called **Roman Numerals**.

Now observe these Hindu Arabic Numerals and their corresponding Roman Numerals.

Hindu Arabic Numerals	I	5	10	50	100	500	1000
Roman Numerals	I	V	X	L	C	D	M

Observe the Roman Numerals corresponding to some Hindu Arabic Numerals.

1 = I	10 = X
2 = II	20 = XX
3 = III	30 = XXX
4 = IV	40 = XL
5 = V	50 = L
6 = VI	60 = LX
7 = VII	70 = LXX
8 = VIII	80 = LXXX
9 = IX	90 = XC
10 = X	100 = C

1. Write the Roman Numeral for each of the following:

- (a) 33 (b) 500 (c) 48 (d) 76 (e) 95
(f) 41 (g) 87 (h) 66 (i) 19 (j) 1000

2. Convert the following into Hindu Arabic Numerals.

- (a) XXVI (b) LXXVII (c) XCI (d) LXXXV (e) D
(f) XCIX (g) XCVII (h) LV (i) XLI (j) XXIX

1. Fill in the following blanks by using different properties of multiplication.

- (a) $52 \times (63 + 37) = (52 \times \underline{\hspace{2cm}}) + (\underline{\hspace{2cm}} \times 37)$
(b) $297 \times (\underline{\hspace{2cm}} + 43) = (297 \times 88) + (297 \times \underline{\hspace{2cm}})$
(c) $\underline{\hspace{2cm}} \times (84 + 16) = 36 \times 84 + 36 \times \underline{\hspace{2cm}}$
(d) $218 \times 94 = (218 \times \underline{\hspace{2cm}}) - (218 \times 6)$
(e) $778 \times 994 = (778 \times 1000) - (778 \times \underline{\hspace{2cm}}) - 778.$

2. Rearrange the numbers and then multiply them.

- (a) $125 \times 488 \times 8$ (b) $625 \times 25 \times 20 \times 4$
(c) $16 \times 125 \times 8 \times 625$ (d) $20 \times 1975 \times 5$
(e) $8 \times 25 \times 125 \times 40$ (f) $200 \times 625 \times 16 \times 50$

3. Find the product by using distributive property.

- (a) 241×107 (b) 685×94
(c) 439×995 (d) 1009×1392
(e) 98×553 (f) 999×399

4. Find the value by using distributive property.

- (a) $1562 \times 62 + 1562 \times 38$ (b) $638 \times 176 - 638 \times 75 - 638$
(c) $85 \times 15 + 15 \times 15$ (d) $688 \times 10 \times 437 - 6880 \times 337$
(e) $125 \times 8 \times 883 + 117 \times 25 \times 40$
(f) $750 \times 17 + 750 \times 38 + 27 \times 750 + 18 \times 750$

- 5. Rohan buys 12 computers and 12 printers. If the cost of one computer and one printer is ₹ 56,233 and ₹ 7,867 respectively, find the total cost incurred by Rohan. (Use distributive property of multiplication.)**

4. Add the following numbers by rearranging them: (Use property here)

(a) $786 + 342 + 214$

(d) $67 + 1376 + 624 + 933$

(b) $479 + 2000 + 21$

(e) $637 + 908 + 363$

(c) $225 + 725 + 275 + 275$

(f) $2062 + 547 + 938 + 353$

5. Subtract the following and check your answer by corresponding addition

Simplify the following numerical expressions.

1. $25 + 14 \div (5 - 3)$

5. $15 + [18 - \{4 + (16 - 5)\}]$

2. $3 - (5 - 6 \div 3)$

6. $22 - \frac{1}{4} \{16 - (8 \div 4 + 2)\}$

3. $36 - [12 + (3 \times 10 \div 2)]$

7. $18 - [18 - \{18 - (18 - 18) - 18\}]$

4. $20 - 3 - [7 - \{2 + (4 - 3)\}]$

8. $150 - [70 - \{60 - (30 + 20)\}] - 10$