



A) Compare the following using $>$, $<$ or $=$ signs.

1) $3,97,48,632 \leq 3,97,58,632$

2) $1,50,15,178 \leq 1,50,15,780$

3) $3,74,98,561 \geq 96,42,748$

4) $30,49,75,831 \geq 30,49,00,831$

B) Write the successor and the predecessor of.

1) 3,28,97,999 - Successor - 3,28,98,000

Predecessor - 3,28,97,998

2) 9,37,799 - Successor - 9,37,800

Predecessor - 9,37,798

3) 15,27,009 - Successor - 15,27,010

Predecessor - 15,27,008

4) 99,99,999 - Successor - 1,00,00,000

Predecessor - 99,99,998

C) Write the following in ascending and descending order.

1) 94,38,791; 49,83,197; 49,38,971; 49,73,871

Ascending - 49,38,971; 49,73,871; 49,83,197; 94,38,791

Descending - 94,38,791; 49,83,197; 49,73,871; 49,38,971

2) 38,65,478; 38,56,748; 83,65,487; 38,65,874

Ascending - 38,56,748; 38,65,478; 38,65,874; 83,65,487

Descending - 83,65,487; 38,65,874; 38,65,478; 38,56,748

D) Form the greatest 8-digit number without repeating any digit.

1) 4,2,0,9,7,1,8,6 - 9,87,64,210

2) 7,3,0,1,9,2,5,4 - 9,75,43,210

3) 7,4,6,2,9,8,3,5 - 9,87,65,432

E) Separate the periods by inserting commas according to the two systems of numeration.

Numbers	Indian System	International System
1) 8374986	83,74,986	8,374,986
2) 32495838	3,24,95,838	32,495,838
3) 497347538	49,73,47,538	497,347,538

F) Express the following in expanded form using both the ways.

1) 37,04,186 – 3 ten lakhs + 7 lakhs + 4 thousands + 1 hundred + 8 tens + 6 ones

- 30,00,000 + 7,00,000 + 0 + 4,000 + 100 + 80 + 6

2) 93,27,40,789 – 9 ten crores + 3 crores + 2 ten lakhs + 7 lakhs + 4 ten thousand + 7 hundred + 8 tens + 9 ones

- 90,00,00,000 + 3,00,00,000 + 20,00,000 + 7,00,000 + 40,000 + 0 + 700 + 80 + 9

3) 4,83,62,017 - 4 crores + 8 ten lakhs + 3 lakhs + 6 ten thousand + 2 thousands + 1 tens + 7 ones

- 4,00,00,000 + 80,00,000 + 3,00,000 + 60,000 + 2,000 + 0 + 10 + 7

4) 35,27,70,560 – 3 ten crores + 5 crores + 2 ten lakhs + 7 lakhs + 7 ten thousand + 5 hundred + 6 tens

- 30,00,00,000 + 5,00,00,000 + 20,00,000 + 7,00,000 + 70,000 + 0 + 500 + 60 + 0

5) 68,01,479 - 6 ten lakhs + 8 lakhs + 1 thousand + 4 hundred + 7 tens + 9 ones

- 60,00,000 + 8,00,000 + 0 + 1,000 + 400 + 70 + 9

G) Observe the periods. Then write the number system used and the number names according to that system.

1) 38,74,965 – Indian Number System – Thirty eight lakh seventy four thousand nine hundred sixty five.

2) 31,079,358 – International Number System – Thirty one million seventy nine thousand three hundred fifty eight.

3) 389,012,556 - International Number System – Three hundred eighty nine million twelve thousand five hundred fifty six.

- 4) 493,863,851 - International Number System – Four hundred ninety three million eight hundred sixty three thousand eight hundred fifty one.
- 5) 96,870,132 - International Number System – Ninety six million eight hundred seventy thousand one hundred thirty two.
- 6) 6,517,982 - International Number System – Six million five hundred seventeen thousand nine hundred eighty two.

H) Write the face and place value of the circled digit as per the Indian Place Value System.

- 1) 70,⑤4,976 – Face value – 5 Place value – 50,000
- 2) 3①, 77,84,076 – Face value – 1 Place value – 1,00,00,000
- 3) 63,47,⑤18 – Face value – 5 Place value – 500
- 4) ③,87,29,481 – Face value – 3 Place value – 3,00,00,000
- 5) 2,94,⑦8,395 – Face value – 7 Place value – 70,000
- 6) 3①, 42,327 – Face value – 1 Place value – 1,00,000

I) Write the face and place value of the circled digit as per the International Place Value System.

- 1) 4⑩3,472,800 – Face value – 0 Place value – 0 (ten million)
- 2) 637,①84 – Face value – 1 Place value – 100 (hundred)
- 3) 496,⑦80,341 – Face value – 7 Place value – 700,000 (hundred thousand)
- 4) ③5,096,178 – Face value – 3 Place value – 30,000,000 (ten million)
- 5) 27⑨,423,000 – Face value – 9 Place value – 9,000,000 (million)
- 6) 639,8③2,199 – Face value – 3 Place value – 30,000 (ten thousand)

J) Solve and write the answer in Roman numerals .

- 1) $27 + 8 = 35 = XXXV$
- 2) $19 - 4 = 15 = XV$
- 3) $15 + 6 = 21 = XXI$
- 4) $14 - 11 = 3 = III$
- 5) $12 \div 2 = 6 = VI$

6) $7 \times 4 = 28 = \text{XXVIII}$

7) $11 \times 2 = 22 = \text{XXII}$

8) $20 \div 2 = 10 = \text{X}$

K) Write the correct Roman number.

1) 27 - XXVII

2) 52 - LII

3) 54 - LIV

4) 90 - XC

5) 83 - LXXXIII

6) 48 - XLVIII

7) 57 - LVII

8) 39 - XXXIX

9) 12 - XII

10) 82 - LXXXII

L) Add.

1)
$$\begin{array}{r} 8\ 9\ 6\ 5\ 4\ 3\ 1 \\ +\ 5\ 4\ 1\ 0\ 7\ 7\ 3\ 6 \\ \hline \end{array}$$

$$\underline{6\ 3\ 0\ 7\ 3\ 1\ 6\ 7}$$

2)
$$\begin{array}{r} 3\ 7\ 9\ 2\ 6\ 1\ 5\ 4\ 2 \\ +\ 2\ 8\ 3\ 4\ 1\ 5\ 0\ 9\ 7 \\ \hline \end{array}$$

$$\underline{6\ 6\ 2\ 6\ 7\ 6\ 6\ 3\ 9}$$

4)
$$\begin{array}{r} 2\ 7\ 8\ 9\ 5\ 3\ 4\ 7 \\ +\ 4\ 5\ 7\ 4\ 6\ 3\ 0\ 8 \\ \hline \end{array}$$

$$+\ \underline{1\ 4\ 5\ 0\ 6\ 3\ 0\ 7}$$

$$\underline{8\ 8\ 1\ 4\ 7\ 9\ 6\ 2}$$

5)
$$\begin{array}{r} 1\ 1\ 9\ 4\ 7\ 3\ 1\ 6 \\ +\ 7\ 1\ 2\ 9\ 8\ 9\ 7\ 3 \\ \hline \end{array}$$

$$\underline{8\ 3\ 2\ 4\ 6\ 2\ 8\ 9}$$

M) Subtract.

1)
$$\begin{array}{r} 6\ 3\ 9\ 5\ 2\ 8\ 7\ 1 \\ -\ 1\ 7\ 4\ 6\ 8\ 5\ 9\ 4 \\ \hline \end{array}$$

$$\underline{4\ 6\ 4\ 8\ 4\ 2\ 7\ 7}$$

2)
$$\begin{array}{r} 3\ 7\ 5\ 9\ 9\ 4\ 7\ 8\ 3 \\ -\ 8\ 6\ 3\ 1\ 7\ 5\ 4\ 6 \\ \hline \end{array}$$

$$\underline{2\ 8\ 9\ 6\ 7\ 7\ 2\ 3\ 7}$$

3)
$$\begin{array}{r} 8\ 3\ 4\ 4\ 5\ 6\ 7\ 8\ 9 \\ -\ 2\ 0\ 0\ 0\ 0\ 0\ 0\ 0\ 0 \\ \hline \end{array}$$

$$\underline{6\ 3\ 4\ 4\ 5\ 6\ 7\ 8\ 9}$$

N) Solve.

1) $49136805 - 7564246$

2) $(38974861 + 10748932) - 4692578$

Sol- 4 9 1 3 6 8 0 5

Step 1 3 8 9 7 4 8 6 1

Step 2 4 9 7 2 3 7 9 3

$$\begin{array}{r} 49136805 \\ - 7564246 \\ \hline \end{array}$$

$$\begin{array}{r} 49136805 \\ - 7564246 \\ \hline 41572559 \end{array}$$

$$\begin{array}{r} 38974861 \\ + 10748932 \\ \hline \end{array}$$

$$\begin{array}{r} 38974861 \\ + 10748932 \\ \hline 49723793 \end{array}$$

$$\begin{array}{r} 49723793 \\ - 4692578 \\ \hline \end{array}$$

$$\begin{array}{r} 49723793 \\ - 4692578 \\ \hline 45031215 \end{array}$$

O) Fill in the missing digits in the boxes.

1) $40(4)3(5)162(8)$

$$\begin{array}{r} 40(4)3(5)162(8) \\ + (1)3423(1)061 \\ \hline \end{array}$$

$$\begin{array}{r} 40(4)3(5)162(8) \\ + (1)3423(1)061 \\ \hline 5(3)8(5)82(6)89 \end{array}$$

2) $(9)7(4)563(2)1$

$$\begin{array}{r} (9)7(4)563(2)1 \\ - 3410(5)(2)0(1) \\ \hline \end{array}$$

$$\begin{array}{r} (9)7(4)563(2)1 \\ - 3410(5)(2)0(1) \\ \hline 6(3)3(5)1120 \end{array}$$

P) Find the product.

1) 93475×836

Sol:- 9 3 4 7 5

$$\begin{array}{r} 93475 \\ \times 836 \\ \hline \end{array}$$

$$\begin{array}{r} 93475 \\ \times 836 \\ \hline 560850 \end{array}$$

$$\begin{array}{r} 93475 \\ \times 836 \\ \hline 560850 \\ 280425 \times \end{array}$$

$$\begin{array}{r} 93475 \\ \times 836 \\ \hline 560850 \\ 280425 \times \\ + 747800 \times \times \end{array}$$

$$\begin{array}{r} 93475 \\ \times 836 \\ \hline 560850 \\ 280425 \times \\ + 747800 \times \times \\ \hline 78145100 \end{array}$$

2) 8374×6000

Sol :-
$$\begin{array}{r} 8374 \\ \times 6000 \\ \hline 50244000 \end{array}$$

3) 9784×97

Sol :-
$$\begin{array}{r} 9784 \\ \times 97 \\ \hline 68488 \\ + 88056 \times \\ \hline 949048 \end{array}$$

Q) Find the quotient and remainder .Then check your answer.

1) $63768244 \div 4628$

Sol :-
$$\begin{array}{r} 13778 \\ 4628 \overline{) 63768244} \\ \underline{- 4628} \\ 17488 \\ \underline{- 13884} \\ 036042 \\ \underline{- 32396} \\ 036464 \\ \underline{- 32396} \\ 040684 \end{array}$$

$$\underline{\quad - 37024 \quad}$$

$$03660$$

$$Q = 13778, \quad R = 3660$$

$$\text{Divident} = \text{Quotient} \times \text{Divisor} + \text{Remainder}$$

$$63768244 = 13778 \times 4628 + 3660$$

$$63768244 = 63764584 + 3660$$

$$63768244 = 63768244$$

$$2) 7230113 \div 673$$

Sol :-

$$\begin{array}{r} \underline{10743} \\ 673 \overline{) 7230113} \\ \underline{- 673} \\ 05001 \\ \underline{- 4711} \\ 02901 \\ \underline{- 2692} \\ 02093 \\ \underline{- 2019} \\ 74 \end{array}$$

$$Q = 10743, R = 74$$

$$\text{Divident} = \text{Quotient} \times \text{Divisor} + \text{Remainder}$$

$$7230113 = 10743 \times 673 + 74$$

$$7230113 = 7230039 + 74$$

$$7230113 = 7230113$$

R) Simplify.

1) $8 \div 4 + 3 \times 7 - 4 + 5$

Sol:- $2 + 3 \times 7 - 4 + 5$

$$= 2 + 21 - 4 + 5$$

$$= 23 - 4 + 5$$

$$= 23 + 5 - 4$$

$$= 28 - 4$$

$$= 24$$

2) $75 \times \{12 + (3 \times 10)\} \div 3$

Sol :- $75 \times \{12 + 30\} \div 3$

$$= 75 \times 42 \div 3$$

$$= 75 \times 14$$

$$= 1050$$

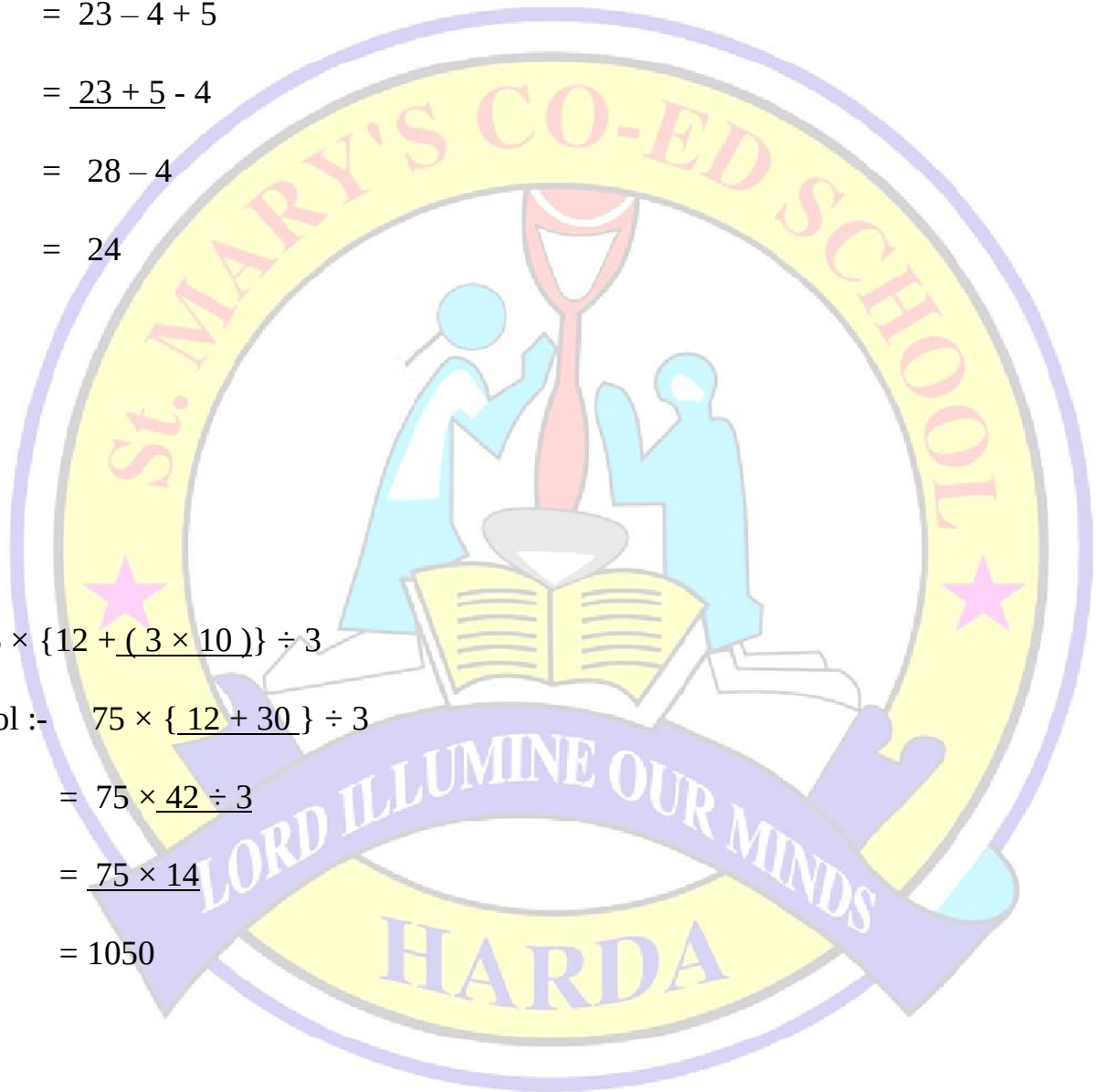
3) $18 - (2 \text{ of } 2 \times 2) \div 2$

Sol :- $18 - (4 \times 2) \div 2$

$$= 18 - 8 \div 2$$

$$= 18 - 4$$

$$= 14$$



4) $28 + 18 \div 3 - 4 \times 8$

Sol :- $28 + 6 - 4 \times 8$

$= 28 + 6 - 32$

$= 34 - 32$

$= 2$

S) Solve.

1) The population of country 'A' is 8,37,49,174 and country 'B' is 10,74,83,566.

What is the total population of the two countries.

Sol- Population of country A = 8,37,49,174

Population of country B = + 10,74,83,566

Total population = 19,12,32,740

2) Out of 9,83,74,675 males , 2,14,39,407 are employed.

Find the number of unemployed males.

Sol :- Total males = 9,83,74,675

Employed males = - 2,14,39,407

Unemployed males = 7,69,35,268

3) What is the product of the largest 5-digit number and the smallest 4-digit number ?

(Hint : $99999 \times 1000 = ?$)

Sol:- Largest 5-digit number = 99,999

Smallest 4-digit number = × 1,000

Product = 9,99,99,000

4) A toll booth collects Rs 150 from each vehicle which passes by . If 7,43,196 vehicles cross the

booth in a day ,find the total amount collected ?

Sol:- Total vehicles cross in a day = 7,43,196

Money collected from each vehicle = × 150

3715980

743196 ×

Total amount collected = 111479400

5) Divide the greatest 8-digit number by the smallest 4-digit number.

Sol :- Greatest 8-digit number = 99999999

Smallest 4-digit number = 1000

So, 99999999 ÷ 1000

Q = 99999 R = 999

6) 275 trees can grow in one orchard. If the total number of trees are 17,47,350, how many orchards

Will they grow in ?

Sol :- Total no. of trees = 17,47,350

Trees in one orchard = 275

Number of orchards = $17,47,350 \div 350$

= 6354

6354

$275 \sqrt{1747350}$

- 1650

00973

- 825

1485

- 1375

01100

- 1100

0000

Q = 6354

