

Paper – 1

- John deposited Rs. 1,68,38,976 in the bank in the beginning of the year. He withdraw Rs. 35,76,287 by the end of the year. How much amount has he still in his account?
Write the following numerals in words and also put commas [Indian place]
- 278409 _____

- The air fare from Bangalore to Delhi is Rs. 8,575. In a flight 130 passengers travelled from Bangalore to Delhi. What was the total fare paid by the passengers?
- Simplify : $20 - [5 \times \{ (7 + 2) \div 3 \}]$
- Find the HCF of the following using long Division method: 140 , 504
- Which of the following nos. are divisible by 11 ? : 202202
- Simplify : $4\frac{1}{3} - 2\frac{3}{4} + 5\frac{1}{6}$
- Tell which type of triangle it is [isosceles , equilateral , scalene]
In ΔABC $AB = 3\text{cm}$, $BC = 3\text{cm}$, $CA = 3\text{cm}$ _____
In ΔABC $AB = 3\text{cm}$, $BC = 4\text{cm}$, $CA = 5\text{cm}$ _____
- Classify the following angles according to degree : 1) 360° 2) 46°

Paper – 2

- A stadium has a sitting capacity of 1,50,734. During a 5 day cricket test match, 1,28,195 , 121,615, 97,438, 47,463 and 1,35,676 people respectively visited the stadium. How many people registered their attendance during the entire match?
- Write the following numbers in the international place value chart : 80349856
- A covers a distance of 13,752 km in 3 days. Find the speed of the car per hour.
- Simplify : $17 + [8 - \{5 + (10 \div 5)\}]$
- Find the HCF of the following using long Division method: 288 , 420
- Which of the following nos. are divisible by 6 ? : 70434
- Multiply $3\frac{6}{25} \times 6\frac{1}{9}$ divide : $5\frac{5}{12} \div \frac{5}{16}$
- Identify the triangle according to angle
In ΔABC $\angle A = 90^\circ$; $\angle B = 40^\circ$; $\angle C = 50^\circ$ = _____
In ΔABC $\angle A = 120^\circ$; $\angle B = 30^\circ$; $\angle C = 30^\circ$ = _____
- Which of the following pairs of angles are complementary?
1) 50° , 130° 2) 45° , 45°

Paper – 3

- A survey conducted on an Indian State shows that 1623540 people have only primary education ; 9768678 people have secondary education ; 6437945 people have higher

education and 2682635 people are illiterates. If the number of children below the age of school admission be 698781, find the population of that state.

2. Write the numeral by inserting commas to separate periods in both the systems

65821689 _____

Indian _____

International _____

3. There are 2278 schools in a state. If average number of students in a school is 125, find the total number of students studying in the schools of the state.

4. Find the HCF of the following using long Division method : 891, 1215

5. Which of the following nos. are divisible by 5? : 92500

6. Multiply fraction : $5\frac{3}{8} \times \frac{12}{13}$ Divide : $10\frac{5}{7} \div 7\frac{11}{14}$

7. Which of the following pairs of angles are supplementary?

1) $90^\circ, 90^\circ$ 2) $0^\circ, 180^\circ$ 3) $60^\circ, 110^\circ$

Paper – 4

1. In an Indian state, a survey shows that there are in all 7651234 students in all the secondary schools. Out of these, there are 2963459 girl students. How many boys are there in these schools?

2. Fill in the blanks

	Quotient	Remainder
$4,09,431 \div 1,00,000$		

3. Simplify : $10 + 5 \times 200 \div 25 - 5$ of 10

4. Find the HCF of the following using long Division method : 34, 255

5. Which of the following nos. are divisible by 4 ? : 97135

6. Multiply : 10 by $\frac{4}{15}$ 2) $84 \div 7\frac{7}{8}$

7. Construct the following angles with the help of protractor and scale

1) 80° 2) 130° 3) 150°

8. Simplify : $2\frac{1}{3} + 3\frac{1}{6} + 5\frac{1}{12}$

9. Find LCM 1) 96, 144, 192 2) 27, 54, 90

Paper – 5

1. Solve the following

$$\begin{array}{r}
 4 \quad 6 \quad \square \quad 2 \quad \square \quad 8 \\
 + \square \quad \square \quad 6 \quad \square \quad 7 \quad \square \\
 \hline
 9 \quad 8 \quad 9 \quad 1 \quad 9 \quad 0
 \end{array}$$

$$\begin{array}{r}
 9 \quad \square \quad \square \quad \square \quad \square \quad \square \\
 - 8 \quad \square \quad \square \quad 8 \quad 9 \quad 9 \\
 \hline
 1 \quad 1 \quad 1 \quad 0 \quad 1
 \end{array}$$

2. Observe the periods and then write the relevant numbers system and number word System – international , Indian

Number	System [Indian]	International
4278445106		
9121555		

3. In a state board examination 326895 students appeared. 85998 students passed with 'A' grade , 195885 students passed with 'B' grade and the rest failed. How many students passed altogether? How many students failed?

4. Simplify : $17 + [8 - \{ 5 + (10 \div 5) \}]$

5. Find the HCF by prime factorization : 112 , 140 and 168

6. Which of the following numbers are divisible by 3 ? : 31547

7. Find : $\frac{3}{4}$ of 2 L

8. Fill in the blanks & decide whether the triangle can be formed or not.

Name of the triangle	Measure of its sides	Sum of the measures of sides taken two at a time	Fill in the blanks with > or < or =	Y/N
1. ΔABC	AB = 6 cm BC = 4 cm CA = 5 cm	AB + BC = <u>10</u> cm BC + CA = <u>9</u> cm AB + CA = <u>11</u> cm	AB + BC > CA BC + CA > AB AB + CA > BC	Y/N
2. ΔPQR	PQ = 3 cm QR = 5 cm PR = 4 cm	PQ + QR = _____ cm QR + PR = _____ cm PQ + PR = _____ cm	PQ + QR _____ PR QR + PR _____ PQ PQ + PR _____ QR	Y/N

Paper – 6

1. Write in column and evaluate : $3,52,896 - 1,44,969$

2. In an examination conducted by a board of secondary education, 1008314 candidates appeared. Out of these 789425 candidates passed. How many failed?

3. Simplify : $20 - 4 (8 - \overline{3 + 2}) - 5$

4. Find the HCF by prime factorization : 66 and 198

5. Find the LCM of the given numbers using short division method : 56, 140 and 210

6. Which of the following nos. are divisible by 2 ? : 7552

7. Find : $\frac{5}{12}$ of Rs. 60 , $\frac{8}{27}$ of 81 kg , $\frac{1}{4}$ of a rupee

8. Construct the following angles with the help of protector and scale 1) 50° 2) 58°

Paper – 7

1. Write in column and add : $1,24,560 + 2,34,160$

- 95050 people visited the zoo in 25 days. How many people on an average visited the zoo in one day?
- Simplify : $\{ 6 \text{ of } 145 \div (3 + 2) \} \div 2 - 4 \text{ of } 20$
- Find the HCF by prime factorization : 130 and 208
- Which of the following nos. are divisible by 7 ? : 5233
- Multiply : $40\frac{6}{7} \times 2\frac{19}{22}$ Divide : $\frac{48}{35} \div \frac{16}{25}$
- Construct the following angles with the help of protector and scale. 1) 40° 2) 132°

Paper – 8

- A pack of pencils contains a dozen pencils. 450 such packs were put in a carton. If there are 25 such cartons, find the total number of pencils.
- Simplify : $[\{ 30 - \overline{9 - 6} \} \div 3] \times 6 + 6$
- HCF By common division method : 40 , 80 and 880
- Which of the following nos. are divisible by 8 ? : 62486
- Simplify : $10 - 3\frac{1}{5} - 5\frac{3}{10}$ b) $\frac{1}{4} + \frac{5}{9} + \frac{1}{12}$

Paper – 9

- Find the quotient and the remainder : $8216 \div 17$
- What least number should be subtracted from 316 to make it exactly divisible by 13? [find remainder]
- Simplify : $20 - [5 \times \{ (7 + 2) \div 3 \}]$
- HCF By common division method : 130, 195 and 390
- Find the LCM of the given numbers using prime factorization method 102 , 136 and 170
- Which of the following nos. are divisible by 9 : 8325
- Divide : $5\frac{1}{2} \div 2\frac{2}{3}$

Paper – 10

- Find the product : 42×172
- Find the product : 1348×34
- Simplify : $[\{ (40 - \overline{10 - 6} \div 4) \times 7 + 3 \}]$
- Find the LCM of the given numbers using prime factorization method : 27, 54, 90
- Which of the following nos. are divisible by 10 ? : 36412
- Divide : $4\frac{2}{3} \div 7$
- Identify the triangle according to angle
 In ΔABC $\angle A = 90^\circ$; $\angle B = 60^\circ$; $\angle C = 30^\circ$ = _____