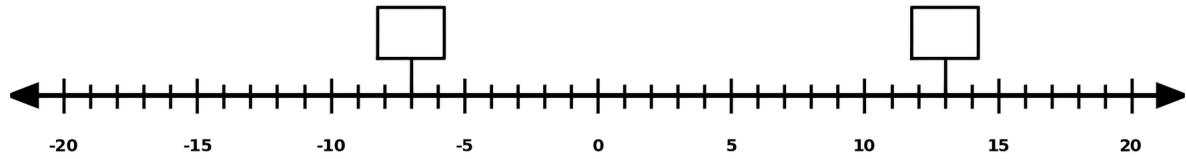


**SECTION A (Answer All Questions) - 40 MARKS**

- ① What is the value of 4 in 5,432?  
☐ 4  
☐ 4,000  
☐ 400  
☐ 40
- ② What is the expanded form of 7,809?  
☐  $700 + 80 + 9$   
☐  $7,000 + 80 + 9$   
☐  $7,000 + 800 + 9$   
☐  $7,000 + 800 + 90$
- ③ Which Roman numeral represents 14?  
☐ XVI  
☐ XIV  
☐ XLI  
☐ XIII
- ④ Which numbers are greater than 3,214?  
☐ 3,401  
☐ 3,208  
☐ 3,189  
☐ 3,243
- ⑤ What is the result of  $-3 + 5$ ?  
☐ 8  
☐ -8  
☐ -2  
☐ 2
- ⑥ Which number is equal to the Roman numeral XXVII?  
☐ 27  
☐ 13  
☐ 17  
☐ 32
- ⑦ Which of the following is NOT a square number?  
☐ 25  
☐ 16  
☐ 10  
☐ 36
- ⑧ Complete:  $1,234 \_\_\_ 1,324$   
☐  $>$   
☐  $<$   
☐  $=$   
☐ Not enough information
- ⑨ Which Roman numeral represents 38?  
☐ XXXVIII  
☐ XLIII  
☐ XXVIII  
☐ LVII
- ⑩ Which of the following is NOT a factor of 24?  
☐ 3  
☐ 4  
☐ 7  
☐ 8
- ⑪ What is the prime factorization of 20?  
☐  $4 \times 5$   
☐  $2 \times 2 \times 5$   
☐  $2 \times 10$   
☐  $2 \times 3 \times 7$
- ⑫ What is 6,783 rounded to the nearest hundred?  
☐ 6,700  
☐ 6,780  
☐ 6,800  
☐ 6,000
- ⑬ What is the LCM of 4 and 6?  
☐ 12  
☐ 18  
☐ 24  
☐ 36
- ⑭ Which of these numbers are divisible by 5?  
☐ 621  
☐ 5,555  
☐ 2,390  
☐ 7,896
- ⑮ What is the HCF of 6 and 12?  
☐ 2  
☐ 6  
☐ 12  
☐ 3
- ⑯ What is the square of 9?  
☐ 18  
☐ 81  
☐ 27  
☐ 90
- ⑰ What is  $7 \times 8$ ?  
☐ 54  
☐ 56  
☐ 49  
☐ 64
- ⑱ Which of these are true?  
☐  $763 < 766$   
☐  $4,526 > 4,562$   
☐  $2,391 > 2,219$   
☐ None
- ⑲ What is 4,062 in words?  
☐ Four thousand sixty-two  
☐ Four thousand six hundred two  
☐ Forty thousand sixty-two  
☐ Four thousand and two
- ⑳ John has 36 apples and divides them into 6 baskets. How many apples are in each basket?  
☐ 4  
☐ 5  
☐ 6  
☐ 7

## SECTION B (Answer All Questions) - 60 MARKS

(21) Fill the missing fields of the number line and calculate the following (10 marks)



- $12 - 15 =$
- $-7 - 5 =$
- $-4 + 8 =$
- $-26 + 13 =$

- $-15 + 10 =$
- $-12 - 13 =$
- $6 - 15 =$
- $-21 + 25 =$

(22) Round the following numbers both to the nearest 100 and to the nearest 1000 (10 marks)

	Rounded to the nearest 100	Rounded to the nearest 1000
64		
819		
1,219		
4,759		
27,648		

(23) Calculate the following (10 marks)

- $14 \times 100 =$
- $600 \times 400 =$
- Using the box method:  $32 \times 16 =$
- Using the Lattice method:  $649 \times 55 =$
- Using any method:  $452 \times 121 =$

(24) Check if the following calculations are possible without a remainder. If it is, calculate and write your result. If not, write „remainder“. (10 marks)

- $35 \div 5 =$
- $22 \div 2 =$
- $463 \div 3 =$
- $264 \div 2 =$
- $620 \div 5 =$

(25) Find the HCF (Highest Common Factor) of the following by finding all the factors of both numbers first (10 marks)

- |                 |                   |
|-----------------|-------------------|
| • Factors of 8: | • Factors of 16:  |
| Factors of 12:  | Factors of 26:    |
| HCF 8 and 12:   | HCF of 16 and 26: |

(26) Find the LCM (Lowest Common Multiple) of the following using the prime factors of both numbers (10 marks)

- |                             |                             |
|-----------------------------|-----------------------------|
| • Prime factors of 18: 18 = | • Prime factors of 30: 30 = |
| Prime factors of 32: 32 =   | Prime factors of 40: 40 =   |
| LCM of 18 and 32:           | LCM of 30 and 40:           |

**Bonus task:** Lisa is putting 24 cupcakes into blue and 36 cookies into red boxes. She wants to group them so that each box has the same number of items with no leftovers.  
(3 bonus marks)

What is the largest number of items she can put in each box?  
How many blue and how many red boxes does she need?