



# B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS  
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

## TERM-1 EXAMINATION 2024-25 MATHEMATICS (041) QUESTION PAPER

CLASS:V  
Date: 15.09.24  
Name:

Duration: 3 hrs.  
MAX.MARKS:80  
Exam No:


### General Instructions:

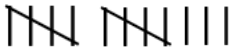
1. This Question Paper has 5 Sections A-E.
2. Section A has 20 MCQs carrying 1 mark each
3. Section B has 8 questions carrying 02 marks each.
4. Section C has 8 questions carrying 03 marks each.
5. Section D has 4 questions carrying 05 marks each.

### SECTION- A

Choose the correct answer.

(20 × 1 = 20)

- 1) In 9,62,041 the place value of 2 is:  
(a) 2,000 (b) 200 (c) 20 (d) 20,000
- 2) Greatest 7-digit number is  
(a) 99, 89,999 (b) 99, 99,999 (c) 10, 00,000 (d) 0123
- 3) 1234 rounded off to the nearest hundred is  
(a) 1230 (b) 1200 (c) 1235 (d) none of these
- 4) Find the product  $49 \times 10,000 =$   
(a) 49,000 (b) 4, 90,000 (c) 40,900 (d) none of these
- 5) Numeral for six lakhs eighty two thousand seven hundred is  
(a) 68,270 (b) 62, 80,700 (c) 6, 82,700 (d) none of these
- 6) Use the property: -  $1234 \div 1234 =$  \_\_\_\_\_  
(a) 1234 (b) 12341 (c) 1 (d) none of these
- 7) How many prime numbers are there between 1 and 100?  
(a) 24 (b) 25 (c) 20 (d) none of these
- 8) What is measure of straight angle?  
(a)  $130^\circ$  (b)  $90^\circ$  (c)  $180^\circ$  (d) infinitely many
- 9) Every polygon has at least \_\_\_\_\_ sides.  
(a) 1 (b) 2 (c) 3 (d) 4
- 10) Stumps of a wicket is example of  \_\_\_\_\_  
(a) Parallel line (b) horizontal (c) perpendicular (d) none of these
- 11) Which of the following has no end points?  
(a) A line (b) a ray (c) a line segment (d) none of these

- 12) Which of the following numbers is divisible by 2?  
 (a) 11 (b) 26 (c) 33 (d) none of these
- 13) A number which has only two factors is called a  
 (a) Prime number (b) odd number (c) even number (d) composite number
- 14) A fraction that has the numerator smaller than the denominator is  
 (a) Proper fraction (b) Improper fraction (c) Unit fraction (d) None of these
- 15) Use the property:-  $(759 + 493) + 825 = (759 + \underline{\hspace{2cm}}) + 825$   
 (a) 759 (b) 825 (c) 493 (d) None of these
- 16) Simplest form of  $\frac{6}{8}$  is  
 (a)  $\frac{3}{7}$  (b)  $\frac{3}{4}$  (c)  $\frac{4}{3}$  (d) None of these
- 17)  $\frac{2}{5}$  and  $\frac{3}{5}$  are  
 (a) Unlike fraction (b) like fraction (c) equivalent fraction (d) None of these
- 18) The reciprocal of  $\frac{12}{7}$  is  
 (a)  $1\frac{5}{7}$  (b)  $2\frac{10}{7}$  (c)  $\frac{7}{12}$  (d) None of these
- 19) Which number is represented by the tally marks?  
  
 (a) 13 (b) 14 (c) 12 (d) 11
- 20) The pie chart below shows children's subject preferences.



What is the least preferred subject?

- (a) French (b) German (c) Sanskrit (d) None of these

## SECTION -B

(8 × 2 = 16)

- 21) Convert the following fractions as per directed.

- a)  $\frac{25}{6}$  (mixed fraction)  
 b)  $3\frac{4}{5}$  (improper fraction)

OR

Solve and write the answer in the simplest form:  $\frac{12}{20} + \frac{3}{20}$

- 22) Divide and write the answers.

s. no	Division	Quotient	Remainder
1	$9832 \div 100$		
2	$31475 \div 1000$		

23) Multiply the following numbers

(a)  $7,000 \times 300$

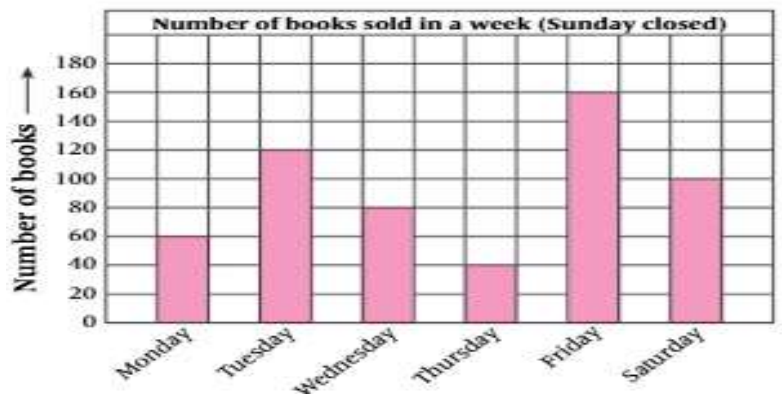
(b)  $20 \times 300$

**OR**

There were 28,798 participants from each country in a sports meet. How many participants participated from 19 countries?

24) The following bar graph shows the sale of books per day by a shopkeeper in a particular week.

Read the bar graph carefully and answer the following



- In which day the minimum number of books sold? How many books were sold on this day?
- How many books were sold on Tuesday?
- On which day, the maximum number of books were sold?

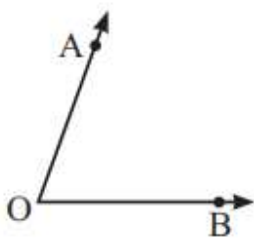
25) Write the following numbers in ascending and descending order.

32, 45,802; 32, 46,208; 42, 46,800; 24, 42,208

26) Use the factor tree method to write the prime factorisation of 150.

27) Find the missing values in the equivalent fractions:  $\frac{5}{6} = \frac{(\quad)}{24}$

28) Measure the given angles using protractor.



**SECTION -C**

**(8 × 3 = 24)**

29) Write improper, mixed, and unit fractions in the corresponding rows.

$2\frac{3}{8}$ ,  $5\frac{2}{3}$ ,  $\frac{3}{8}$ ,  $\frac{1}{6}$ ,  $\frac{17}{11}$ ,  $\frac{1}{19}$ ,  $\frac{7}{12}$

Proper fraction	
Mixed fraction	

Unit fraction	
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30) Place commas between the digits and write the number names for the following as per directed:

- a) 22109653 (Indian systems)  
b) 38106914 (International systems)

31) Solve the following fractions:

- a)  $\frac{8}{9} \times \frac{3}{4}$   
b)  $\frac{4}{7} \div \frac{5}{7}$

**OR**

Aditya has  $4\frac{2}{3}$  chocolate bars and Rahul has  $4\frac{1}{5}$  chocolate bars. How many chocolate bars do they have altogether?

32) Subtract and verify answer:  $81,62,549 - 80,55,672$

33) Every time a uniform shopkeeper sells an item, he notes it down in his diary.

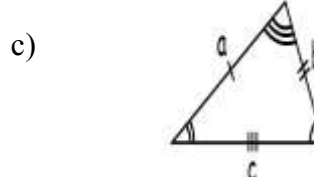
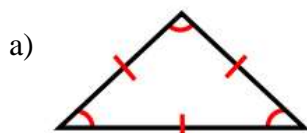
Shirt Belt Tie Shoe Socks Skirt Belt Socks Tie Skirt  
Belt Shirt Skirt Belt Tie Shirt Belt Skirt Shoe Belt Skirt

Express the data in tally marks so that he may know his sales.

34) Construct an angle XYZ of measure  $120^\circ$  with the help of a protractor.

**OR**

Classify the triangle according to sides, that is, equilateral, isosceles and scalene triangles



35) List the common factors and determine the HCF of 12 and 18.

36) Find the LCM by common multiples: 4, 6 and 9

### SECTION -D

(4 × 5 = 20)

37) Sumitra has two ribbons of lengths 25 inches and 35 inches. She wants to cut these ribbons into strips of equal length. What is the longest possible length for the strips?

**OR**

Using the divisibility test, determine which of the following are divisible by 2, 3, 5, 6 and 10

S.No.	Numbers	2	3	5	6	10
1	5430					
2	12345					

38) Draw a circle of radius 4 cm. Mark its centre O. Draw a chord AB of length 6 cm in it and find the diameter of the circle.

39) Form the greatest and the smallest 7-digit numbers with the digits 8, 5, 2, 4, 0, 6 and 1. Use all digits at least once to form the 7-digit numbers.

- What is the greatest and the smallest 7-digit numbers?
- Make Indian place value chart and write both the numbers in it.
- Write the expanded form for the greatest number.

40) The number of buses going from Delhi to other cities are:

Delhi to	Agra	Chandigarh	Jaipur	Meerut	Shimla	Almora
Buses	30	28	20	25	32	18

Draw a bar graph for the data using a suitable scale.

\*\*\*\*\*ALL THE BEST\*\*\*\*\*