

Minervaa International Scholarship Examinations

Sample Question Paper Class- 5 Subject- Mathemetics



LOGICAL REASONING

1.Look at the given figure and state whether it is:



- a) Obtuse triangle
- c) Acute triangle

- b) Right triangle
- d) None of these
- 2. Which of the following is the next term in the series.

V,S,R,O,N,J,K,____

- a) E
- c) I

- b) F
- d) G
- 3. The Rule of given Pattern is: 98 94 90 86 82 78 74 70
 - a) Subtract 4
 - b) Divide by 4
 - c) Multiply by 4
 - d) Add 4
- 4. Complete the pattern

5. Which of the following letter sequences is in the correct alphabetical skip pattern?

	MATHEMETICS					
6.	6. What comes just before 10,00,000? a) 99,999 b) 99,9999 c) 9,99,999 d) 1,00,001					
	•	•				
7. Match the number name to its numeral:						
	Number Name	Numeral				
	Fifty-four thousand	a. 54,000				
	Nine lakh twenty thou	sand b. 9,20,000				
	Seven crore three lakh	c. 7,03,00,000				

Eighty lakh five thousand d. 80,05,000

8. Which of these numbers is the smallest?

b) 3

True/False with reasoning:

11. Arrange in descending order:

54,000; 45,000; 40,500; 50,050

a) 54,000 > 50,050 > 45,000 > 40,500 b) 54,000 > 45,000 > 50,050 > 40,500 c) 40,500 > 45,000 > 50,050 > 54,000 d) 45,000 > 40,500 > 54,000 > 50,050

b) 1,00,320

d) 1,02,039

Statement B: The smallest 5-digit number is 10,000.

c) 7

10. Statement A: All 7-digit numbers are greater than all 6-digit numbers.

d) 8

9. Which digit is at the ten thousand place in 3,27,891?

a) 1-a, 2-b, 3-c, 4-d b) 1-b, 2-a, 3-d, 4-c c) 1-a, 2-c, 3-b, 4-d d) 1-d, 2-c, 3-a, 4-b

a) 1,02,340

a) Both trueb) Only A is truec) Only B is trued) Both false

c) 99,999

a) 2

12. What is the differen	ce between 9,00,000	and 7,45,376?	>	
a) 1,54,624 c) 2,45,624	b) 1,45,624 d) 1,54,474			
13. Match the operatio	n with its result:			
Operation	Result			
6,54,321 + 2,45,679	9 a. 9,00,000			
9,87,000 - 87,000	b. 9,00,000			
3,000 × 20	c. 60,000			
4,00,000 ÷ 100	d. 4,000			
a) 1-a, 2-b, 3-c, 4-b) 1-b, 2-a, 3-d, 4c) 1-b, 2-a, 3-c, 4d) 1-d, 2-c, 3-b, 4d	–c –d			
14. Word Problem: A company produc many items were p		January and 8,	12,678 items in February. How	
a) 16,12,003 c) 15,12,003	•	b) 16,01,003 d) 15,01,003		
	ct, divide, and more, re big, I handle the ch b) Nun			
,	·			
c) Operation	d) Digi	L		
a) 1 b) 2	c) 3	d) 4		
16. How many of the 1.3,52,104 + 1,22 2.99,999 - 9,999 3.2,25,750 × 2 4.5,00,000 ÷ 5		result in an eve	n number?	
a) 1 b) 2	c) 3	d) 4		
17. Which of the follo a) 7,50,000 + 4,25 b) 1,25,000 + 3,75 c) 2,000 × 40 = 80 d) 6,000 ÷ 10 = 60	,000 = 3,25,000 ,000 = 5,00,000 ,000	correctly solve	d?	

18.\	Write in Hindu	-Arabic notatio	n?		
	XLIV, LV, LXVI,	LXXVII, LXXXVI	III, XCIX		
	a) 44, 55, 66, 7				
	0) 44, 55, 66, 7				
	c) 44, 55, 66, 8 d) 44, 66, 55, 7				
	rue/False with				
		_	odd numbers is	always even.	
				en numbers is always eve	en.
a	a) Both true	b) Only A is true		
C	c) Only B is true	e d) Both false		
20. 0	Convert this Ro	oman numeral	to a natural nur	nber: LXXXIX	
á	a) 89 b) 99	9 c) 79	d) 69		
21.\	Which of the fo	ollowing Romai	n numerals is in	correct or meaningless?	
	a) IX b) IC	c) XL	d) XX	_	
22.1	Match Roman	numerals to th	•		
	Roman	Value			
	XL	a. 40			
	XC	b. 90			
	L	c. 50			
	XXX	d. 30			
	a) XL-a, XC-b,				
	b) XL-b, XC-c, c) XL-d, XC-a,				
	d) XL-c, XC-d,				
23.	Which of these	e statements is t	true?		
	a) XL is greater	than LX			
	b) LXX = 80				
	c) XC < XL d) XXX < L				
24	•	ect Roman nume	eral for:		
	29 + 14 = ?				
	a) XLIV	b) XXXIX	c) XLIII	d) XLII	
25	. Fill in the blan X + XX =				
	a) XXX	b) XXXX	c) XL	d) XX	
26	. How many of t – 15, 25, 42, 75	_	mbers are multip	les of 5?	
	a) 1	b) 2	c) 3	d) 4	

27. Match the number to its type:

Number

Type

- 17
- a. Prime
- 16
- b. Composite
- 1
- c. Neither
- 23
- d. Prime
- a) 17-a, 16-b, 1-c, 23-d
- b) 17-b, 16-a, 1-d, 23-c
- c) 17-d, 16-c, 1-a, 23-b
- d) 17-a, 16-c, 1-b, 23-d

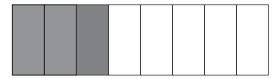
28. Which number is a common multiple of 3 and 4?

- a) 6
- b) 8
- c) 9
- d) 12

29. Choose the incorrect statement:

- a) Every number is a factor of itself
- b) 1 is a factor of every number
- c) All even numbers are multiples of 2
- d) 0 is a factor of all numbers

30. What fraction of the figure is shaded?



- a) 3/5
- b) 5/8 c) 3/8
- d) 8/3

31. Match the fraction to its type:

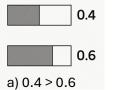
Fraction Type

- 1/3
- a. Proper
- 7/4
- b. Mixed
- 4/4
- c. Improper
- 21/2
- d. Unit
- a) 1/3-d, 7/4-c, 4/4-a, 21/2-b
- b) 1/3-a, 7/4-c, 4/4-d, 21/2-b
- c) 1/3-b, 7/4-d, 4/4-a, 21/2-c
- d) 1/3-a, 7/4-d, 4/4-b, 21/2-c
- 32. Now choose the simplest form of the shaded portion.



- a) 4/8
- b) 2/4
- c) ½
- d) 3/4

33. Which of t	the following is e	quivalent to 3/5	5?	
a) 6/10	b) 4/7	c) 2/3	d) 5/8	
34. How many 1. 2/7, 3/7 2.5/9, 1/8 3. 4/12, 6/		are like fraction	าร?	
a) 1	b) 2	c) 3	d) 4	
35. Which is	correct?			
	0.4			



b) 0.6 = 0.4

c) 0.6 < 0.4

d) 0.6 > 0.4

36. Identify the option that is correct.



- a) 3 equal sides
- b) 4 equal angles and 4 equal sides
- c) 2 equal sides
- d) No equal angle

37. Match the shapes with their properties:

Shape Property

Circle a. Has 3 sides

Triangle b. Has 1 curved line

Square c. All sides equal

Rectangle d. Opposite sides equal

- a) Circle-b, Triangle-a, Square-c, Rectangle-d
- b) Circle-c, Triangle-b, Square-a, Rectangle-d
- c) Circle-d, Triangle-c, Square-b, Rectangle-a
- d) Circle-a, Triangle-b, Square-d, Rectangle-c

38. How many angles are formed?



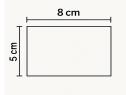
a) 1

b) 12

c) 3

d) 4

39. Find the area of the rectangle.



- a) 40 sq. cm
- b) 13 sq. cm
- c) 26 sq. cm
- d) 30 sq. cm

40. Match the shape with its area formula:

Shape

Area Formula

Square

a.l×b

Rectangle

b.s×s

Triangle

 $c. \frac{1}{2} \times b \times h$

Circle

 $d. \pi \times r^2$

- a) Square-b, Rectangle-a, Triangle-c, Circle-d
- b) Square-c, Rectangle-b, Triangle-a, Circle-d
- c) Square-a, Rectangle-c, Triangle-d, Circle-b
- d) Square-d, Rectangle-a, Triangle-b, Circle-c

41. Which shape has the greater area





- a) Square
- b) Rectangle
- c) Both equal
- d) Cannot be determined

42. What is 25% of 200?

- a) 25
- b) 50
- c) 75
- d) 100

43. What is 10% of 1,000?

- a) 1
- b) 10
- c) 100
- d) 1,000

44. True/False with reasoning:

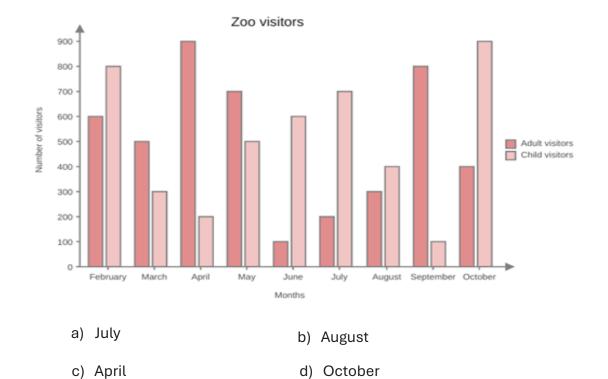
Statement A: Percent means "per hundred."

Statement B: 40% = 0.4

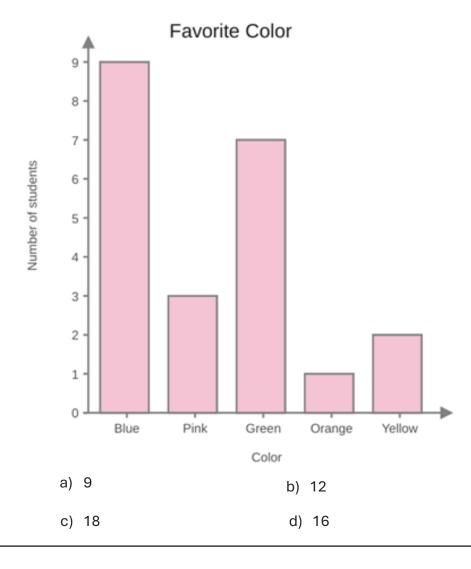
a) Both true

- b) Only A is true
- c) Only B is true
- d) Both false

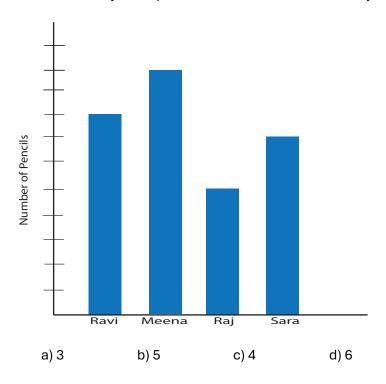
45. In which month do most of the adult vistors visits zoo?



46. The bar graph below shows the favourite color of the students in Mr Jose's class.



47. How many more pencils does Meena have than Raj?



48. Match the chart type to what it is used for:

Chart Type Use

Bar Graph a. To compare quantities

Pictograph b. To represent data using images

Line Graph c. To show change over time

Table d. To organize numbers neatly

- a) Bar-a, Pictograph -b, Line-c, Table-d
- b) Bar-b, Pictograph -a, Line-d, Table-c
- c) Bar-d, Pictograph -c, Line-a, Table-b
- d) Bar-c, Pictograph -d, Line-b, Table-a

49. In a class of 30 students:

- 12 like Football
- 10 like Cricket
- 8 like Basketball

What percentage of students like Football?

- a) 30%
- b) 40%
- c) 50%
- d) 60%

50. How many of the following statements are correct?

1. 10 lakh = 1 million

2. 1 crore = 10 million

3.1,00,000 = 1lakh

4.10 crore = 100 lakh

a) 1

b) 2

c) 3 d) 4

Answer Key

1. A	2. B	3. A	4. C	5. D	6. C	7. A	8. C	9. A	10. A
11. A	12. A	13. A	14. B	15. A	16. D	17. A	18. A	19. A	20. A
21. B	22. A	23. D	24. C	25. A	26. C	27. A	28. D	29. D	30. C
31. B	32. B	33. A	34. B	35. D	36. B	37. A	38. B	39. A	40. A
41. A	42. B	43. C	44. A	45. C	46. A	47. B	48. A	49. B	50. C