

K.P.C. PUBLIC SCHOOL, KHARGHAR ASSESSMENT III - 2023-24

GRADE :-VII SUBJECT :- MATHS

MARKS:-50 TIME:- 2Hrs.

Section A					
This section comprises of	multiple choice quest	ion (MCQS)	(1x20=20)		
1. Find x such that $\frac{-1}{5} = \frac{8}{x}$					
a) -5	b)-40	c) 40	d)None of these		
2. If the cost one pencil is	₹ 2.40, then the cost of \mathbf{R}	10 such pencils is:			
a) ₹24	b) ₹240	c) ₹ 10	d) ₹ 100		
35+9+(-5)+(-10)+(1)) is equal to				
a) 13	b) -13	c) 10	d) -10		
4. English alphabet "L" has	number of line symme	etry			
a) 1	b) 2	c) 4	d) 0		
5. 50 % of 164 is equal to					
a) 164	b) 50	c) 82	d) 72		
6. The numerator of the rational number $\frac{-2}{9}$ is					
a) -2	b) 2	c) -9	d) 9		
7. Which of the following letters of English alphabet has reflectional symmetry about a vertical mirror?					
a) H	b) J	c) Z	d) P		
8. 15% of x is ₹600					
a) ₹4000	b) ₹ 3250	c) ₹ 9750	d) None of these		
9. Rational number $\frac{1}{2}$ is equ	al to:				
a) 0.75	b)1.05	c)1.5	d) 0.075		
10. Which of the following	figure has 8 lines of sy	/mmetry?			
a) Regular hexagon	b) Regular octagon	c) Regular heptagon	d) Regular triangle		
11. An article was sold for	₹ 250 with a profit of 5	5 %, then its $C.P. = ?$			
a) ₹125	b) ₹ 200	c) ₹212.5	d) None of these		
12. English alphabet "N" h	as rotational symmetry	of order			
a) 1	b) 2	c) 4	d) 3		
13. Write the next rational number in the pattern: $\frac{-6}{10}, \frac{-9}{15}, \frac{-12}{20}, \dots$					
a) 25	b) $\overline{25}$	c) 25	d) None of theses		
14. The reciprocal of 5 is .		1	1		
a) 5	b)1	$c) -\overline{5}$	d) 🗄		
15. The cost of petrol is increased by 12%, find the increased amount if the cost is ₹ 54 per liter.					
a) ₹6.50	b) ₹6.48	c) ₹6.58	d) ₹6.00		
16. If S.I. ₹ 750, Principal	= ₹ 4500, Rate of intere	est = $8\frac{1}{3}$ % then Time =	?		
a) 1 year	b) 2 years	c) 4 years	d) 0 years		
17. The order of rotational	symmetry of a square i	S			
a) 1	b)2	c)3	d)4		
18. $\frac{-6}{5} \times 1 =$		_	_		
a) $\frac{-6}{5}$	b) $\frac{6}{5}$	c) $\frac{-5}{c}$	d) $\frac{5}{6}$		
19. 15^{6} 16^{6} 16^{6} 16^{6} 19^{6} $19^{$					
a) 1	b) 0	c) -1	d) $\frac{1}{2}$		
20. Find the value of $(-9) \div \frac{2}{3}$.					
a) -6	b) 6	c) -4	d) none of these		

Section B	
This section comprises with very short answer type questions.	(2×4=8)
21. Write the following rational numbers in ascending order:	
-1 -2 -4	
3,9,3	
22. State the number of lines of symmetry for the following figures:	
a) A scalene triangle	
b) A equilateral triangle	
23. Draw the number line and represent the following rational numbers on it:	
a) $\frac{3}{-7}$ b) $\frac{-7}{-7}$	

24. Find: 20% of ₹ 2500.

Section C

This section comprises of short answer type questions.

25. Arun bought a car for ₹ 3,50,000. The next year, the price went up to

₹ 3,70,000. What was the percentage of price increase?

26. Which of the following pairs represent the same rational number?

- a) $\frac{-7}{21}$ and $\frac{3}{9}$ b) $\frac{-16}{20}$ and $\frac{20}{-25}$ c) $\frac{-2}{-3}$ and $\frac{2}{3}$

27. Fill in the blanks:

Shape	Centre of Rotation	Order of Rotation	Angle of Rotation
Circle	-	-	-
Rhombus	-	-	-
Rectangle			

Section D

This section comprises of long answer type questions.

28. Simplify:

28. Simplif (i) $\frac{-3}{5} \div 2$ (ii) $\frac{-1}{8} \div \frac{3}{4}$ (iii) $\frac{25}{30} \times \frac{4}{3}$ (iv) $\frac{-6}{3} - \frac{-7}{15}$ (v) $\frac{2}{7} + \frac{-4}{7}$

29. Find the whole quantity if

- a) 5% of its 600
- b) 12% of it is 1080
- c) 20% of it is 400 km.
- d) 50% of it is 14 minutes.

e) 8% of it is 40 litres.

Section E

This section comprises with case study type questions.

30. Ameena sells a laptop for ₹30,500. What was the price at which she bought it? If

a) She loses 20% in the bargain?

b) She profit 10% in the sell?

c) She loses 15% in the bargain?

$(5 \times 2 = 10)$

(3×1=3)

 $(3 \times 3 = 9)$