

GRADE: VIII	CPE - 1 (2024-25)	Marks: 20
Date:25/07/2024	MATHMATICS	Time: 1 hours

Q.No.	Questions	Mark
	SECTION A	
	Choose the correct option.	
1.	In a rational number $\frac{p}{q}$ , where p and q are integers, which	1
	of the following is incorrect?	
	a) $p = 0$ b) $p \neq 0$	
	b) $p \neq 0$ c) $q = 0$	
	d) $q \neq p$	
2.	The multiplicative inverse of $\frac{-9}{11}$ is :	1
	a) $\frac{9}{11}$	
	· 11	
	b) $\frac{-11}{9}$	
	9	
	c) $\frac{11}{9}$	
	9	
	9	
	d) $\frac{-9}{11}$	
3.	Which of these is a linear equation 2	1
5.	Which of these is a linear equation ?	T
	a) $x^2 - 9 = 0$	
	b) $xy + 5 = 11$	
	c) x - 13	
	d) X + 7 = 10	
4.	The absolute value of $\left \frac{-7}{9}\right $ is :	1
	a) $\frac{-7}{9}$	
	°′9	
	b) 7	

	7					
	c) $\frac{7}{9}$					
	9					
	d) -9					
Ш	Fill in the correc	t option.				
	<u>-3</u> <u></u> <u>-9</u>					
5.	4 -8		1			
6.	$\frac{23}{45} \times 0 = $ $\times \frac{23}{45} = $ .					
III	45 45 45 State whether the following statements are true or false.					
7.	-42 7					
	The standard form of $\frac{1}{36}$ is $\frac{1}{6}$ .					
8.	Zero is the identity element for addition of rational numbers.					
	Match the following					
9.	If a, b and c are any rational numb		2			
	A	В				
	1. $a \times b = b \times a$	a) Closure property				
	2. $(a + b)+c = a + (b+c)$	b) Distributive				
	3. a – b = c ,	property				
	a rational number	c) Commutative				
		property				
	4. $a \times (b - c) = a \times b - a \times c$	d) Associative				
	SECTION	property				
	Answer the followir					
10.	Check the following are equivalent	rational numbers.	2			
	-11 $-1$ $-20$ $10$					
11	a) $\frac{1}{33}$ , $\frac{1}{3}$ Verify the property of a x (b + c) = a x b + a x c by taking					
11.			2			
	$a = \frac{1}{2}$ , $b = \frac{-3}{4}$ and $c = \frac{-2}{3}$ .					
12.			2			
	Find two rational numbers between $\frac{-}{5}$ and $\frac{-}{7}$ .					
13.	Solve the linear equation.					
	10x + 9 = 3 + 7x					
	<b>4.</b> Represent the rational numbers $\frac{5}{6}$ and $\frac{-5}{6}$ on the number					
14.	0	6				
	line.					