



GRADE: VIII Date: 31/07/2023	CPE 1 (2023-24) MATHEMATICS	Marks: 20 Time: 50 minutes
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Name:

Class & Section:

Q.No.	Questions	Mark
	Choose the correct answer	
1	Which of the following is not a rational number? a) $\frac{2}{2}$ b) $\frac{5}{1}$ c) $\frac{3}{0}$ d) $\frac{20}{10}$	1
2	Which of the following is equivalent to $\frac{6}{24}$? a) $\frac{1}{4}$ b) $\frac{-6}{24}$ c) $\frac{1}{12}$ d) $\frac{24}{6}$	1
3	$a + (b + c) = (a + b) + c$ is called: a) Closure property b) Commutative property c) Associative property d) Distributive property	1
4	The identities of addition and multiplication are respectively a) 1 and 1 b) 1 and 0 c) 0 and 1 d) 0 and 0	1
5	Which of the following is the solution of $x + 5 = 10$? a) $x = 5$ b) $x = -5$ c) $x = 15$ d) $x = 0$	1

6	Translate the following into an equation: 'Twice a number added to five is equal to 6' a) $x + 5 = 6$ b) $2x + 5 = 6$ c) $x + 6 = 5$ d) $2x + 6 = 5$	1
7	The sum of exterior angles of a quadrilateral is a) 180° b) 360° c) 540° d) 720°	1
8	Which of the following is a feature of a parallelogram? a) All the angles should be equal. b) All the sides should be equal. c) One pair of opposite sides are equal. d) Two pairs of opposite sides are equal.	1
Fill in the blanks		
9	Fill in the blank with $<$, $>$ or $=$ $\frac{-2}{3} \dots \dots \frac{2}{3}$	1
10	$\frac{2}{3} \times \frac{-5}{6} = \dots \dots \times \frac{2}{3}$	1
11	A linear equation is of degree	1
12	Sum of all the interior angles of a pentagon is	1
Write the following sentences are true or false		
13	All rational numbers are integers.	1
14	$x = 2$ is a solution of $2x - 4 = 0$	1
15	The sum of the interior angles of a polygon is always 360°	1
Answer the following.		
16	Sum of three consecutive numbers is 204. Find the numbers.	2
Answer the following (in two or three sentences)		
17	(i) Write the formula for the sum of all interior angles of a quadrilateral. (ii) Find the measure of each exterior and interior angle of a regular octagon.	1 2