

Date:27/9/24	Term 1 (2024-25)	Marks: 40
GRADE: VIII	MATHEMATICS	Time: 2Hrs
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Name:

Q.No.	Questions	Mark
	SECTION A	
	MULTIPLE CHOICE QUESTIONS (Choose the correct answer from the given options)	
1	The standard form of a rational number $\frac{35}{42}$ is : a) $\frac{4}{5}$ b) $\frac{5}{6}$	1
	c) $\frac{6}{7}$ d) $\frac{3}{4}$	
2	Sum of the angles of a quadrilateral is : a) 180° b) 270° c) 160° d) 360°	1
3	Find the value of $\frac{-3}{4} \times \frac{5}{6}$. a) $\frac{-5}{8}$ b) $\frac{15}{24}$ c) $\frac{-3}{4}$	1

VIII/Maths/Question Paper/Term1

r		1
	d) $\frac{5}{8}$	
4	A rational number can be expressed in the form of: a) $\frac{p}{q}$ b) p × q c) p+q d) p_ q	1
5	The age of the father is three times the age of the son. If the age of son is 15 years old, then the age of father is: a) 50 years b) 55 years c) 40 years d) 45 years	1
6	Additive inverse of $\frac{5}{8}$ is a) $\frac{5}{8}$	1
	b) $\frac{8}{5}$ c) $\frac{-5}{8}$	
	d) $\frac{-8}{5}$	
7	The associative property is applicable to: a) Addition and subtraction b) Multiplication and division c) Addition and Multiplication d) Subtraction and Division	1
8	An equivalent fraction of $\frac{3}{7}$ is: a) $\frac{6}{14}$	1
	b) $\frac{15}{28}$	
	c) $\frac{7}{21}$	
	d) $\frac{12}{14}$	

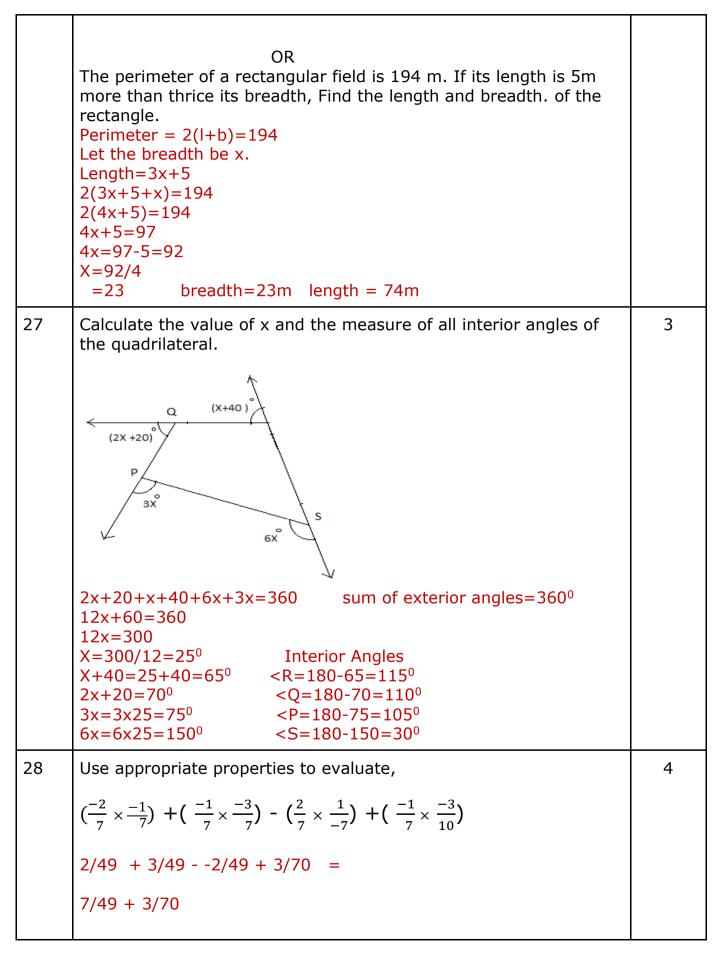
VIII/Maths/Question Paper/Term1 Page 2|6

	FILL IN THE BLANKS	
9	$\left \frac{-5}{9}\right = \frac{5}{9}$	1
10	In $\frac{9}{17} \times \left(\frac{34}{81} \times \frac{-1}{2}\right) = \left(\frac{9}{17} \times \frac{34}{81}\right) \times \frac{-1}{2}$,	1
	Associative Property of multiplication is used.	
11	Linear equation is one whose maximum power is 1	1
12	A parallelogram in which all sides are equal is called Rhombus	1
13	The measure of each exterior angle of a regular octagon is 45^{0}	1
	Write 'TRUE OR FALSE'.	
14	Zero is not a rational number. False	1
15	Between any two rational numbers there exists infinitely many rational numbers. True	1
16	\sqrt{x} + 6 is not a linear equation. False	1
	MATCH THE FOLLOWING	4
17 18 19 20	COLUMN ACOLUMN B $\frac{-5}{7} = {21}$ a) -2Multiplicative identity for rational numbers isb) -15The solution of $10x + 9 = 7x + 3$ is $x = _$.c) octagon	
	A polygon having 8 sides is called d) 1	
	SECTION B	
	Answer the following questions.	
21	Find 4 rational numbers between $\frac{1}{3}$ and $\frac{1}{2}$. $\frac{5}{12}$, $\frac{17}{48}$, $\frac{9}{24}$, $\frac{11}{36}$	2

VIII/Maths/Question Paper/Term1 Page 3|6

22	Solve $3 + 7x = 10x + 9$.	2
	7x-10x=9-3 -3x=6 X=-6/3 = -2	
23	The angles of a triangle are in the ratio 1:2:3. Find the angles. X+2x+3x=180 sum of angles in a triangle =180 ⁰ 6x=180 X = 180/6= 30 The angles are 30 ⁰ ,60 ⁰ and 90 ⁰	2
24	Three angles of a quadrilateral measures 60° , 135° and 80° . Find the fourth angle. 60+135+80+x=360 275+x=360 X=360-275 $X=85^{\circ}$ OR Construct a rhombus in which diagonal AC= side AB =5cm.	2
25	Prove that the diagonals of a parallelogram bisect each other. A A A A A A A A A A A A A A A A A A A	2
26	Solve the equation: $\frac{9u+2}{3u-1} = \frac{-5}{6}$ 6(9u+2)=-5(3u-1) 54u+12=-15u-5 54u+15u=-5-12 69u=-17 U=-17/69	3

VIII/Maths/Question Paper/Term1 Page 4|6



VIII/Maths/Question Paper/Term1

70/490 + 21/490	
= 91/490	
=13/70	
THE END	

VIII/Maths/Question Paper/Term1 Page 6|6