THE VILLAGE
INTERNATIONAL SCHOOL
"We Nurture Dreams"

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

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) $\frac{5}{6}$ c) $\frac{6}{7}$ d) $\frac{3}{4}$	1
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

	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) $\frac{5}{8}$ b) $\frac{8}{5}$ c) $\frac{-5}{8}$ d) $\frac{-8}{5}$	1
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) $\frac{6}{14}$ b) $\frac{15}{28}$ c) $\frac{7}{21}$ d) $\frac{12}{14}$	1

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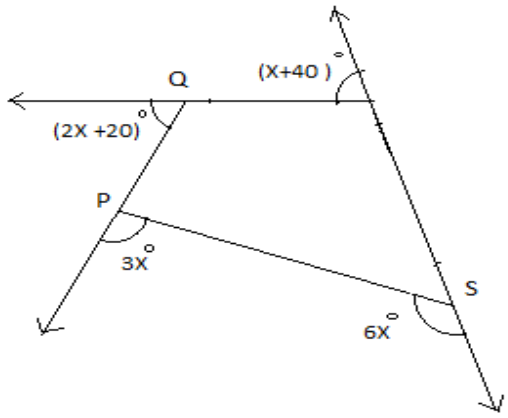
</td><td></td></tr>
<tr><td></td><td>SECTION B</td><td></td></tr>
<tr><td></td><td>Answer the following questions.</td><td></td></tr>
<tr><td>21</td><td>Find 4 rational numbers between $\frac{1}{3}$ and $\frac{1}{2}$.</td><td>2</td></tr>
</table>

22	Solve 3 + 7x = 10x + 9 .	2
23	The angles of a triangle are in the ratio 1:2:3. Find the angles.	2
24	Three angles of a quadrilateral measures 60^0 ,135^0 and 80^0 .Find the fourth angle. **OR** Construct a rhombus in which diagonal AC= side AB =5cm.	2
25	Prove that the diagonals of a parallelogram bisect each other.	2
26	Solve the equation: $\frac{9u+2}{3u-1} = \frac{-5}{6}$ OR The perimeter of a rectangular field is 194 m. If its length is 5m more than thrice its breadth, Find the length and breadth. of the rectangle.	3
27	Calculate the value of x and the measure of all interior angles of the quadrilateral. 	3
28	Use appropriate properties to evaluate, $(\frac{-2}{7} \times \frac{-1}{7}) + (\frac{-1}{7} \times \frac{-3}{7}) - (\frac{2}{7} \times \frac{1}{-7}) + (\frac{-1}{7} \times \frac{-3}{10})$	4
	THE END	