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INDIAN SCHOOL SALALAH

FIRST TERM EXAMINATION – SEPTEMBER (AY-2024-25)



Class: VII

MATHEMATICS (041)

Date: 19/09/2024

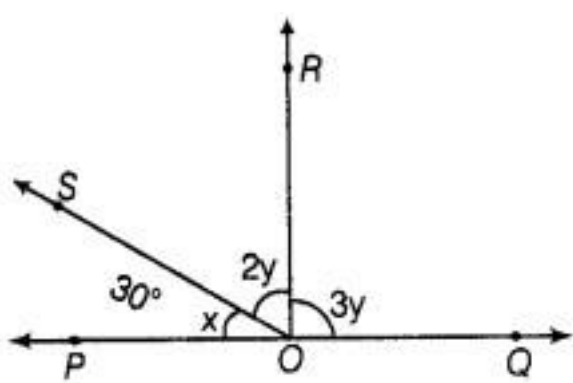
Time: 3 hours

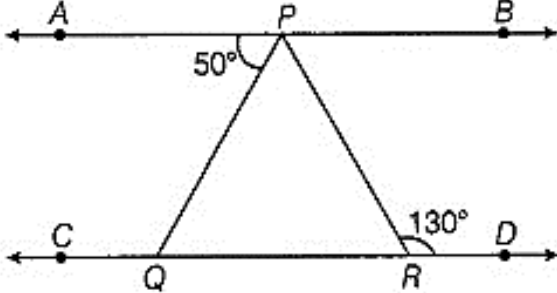
Maximum Marks: 80

General Instructions:

- All questions are compulsory.
- This question paper consists of 30 questions divided into 4 sections.
- Section A contains 6 questions of 1 mark each.
- Section B contains 6 questions of 2 marks each. Section C contains 10 questions of 3 marks each.
- Section D contains 8 questions of 4 marks each.

NO	SECTION A	MARKS
1	If you divide (-161) by (-23) then what is the result? a) 7 b) -7 c) -9 d) 8	1
2	If $\frac{2}{3}$ of a number is 8, find the number. a) 9 b) 12 c) 10 d) 11	1
3	The sum of four times a number and 5 gives a number 10. a) $4t + 10 = 5$ b) $4t + 5 = 10$ c) $5t + 4 = 10$ d) none of these	1
4	Find the supplement of angle 79° . a) 99° b) 103° c) 102° d) 101°	1
5	Write the simplest form of $\frac{25}{45}$. a) $\frac{5}{7}$ b) $\frac{4}{9}$ c) $\frac{5}{9}$ d) $\frac{5}{8}$	1
6	Solve the equation: $5x + 10 = 20$ a) 2 b) 4 c) 3 d) 5	1
SECTION B		
7	Find the product of $\frac{6}{7}$ and $2\frac{2}{3}$.	2
8	Check whether the value $m = 4$ is a solution of $2m - 7 = 1$.	2

9	If the angles $(4x + 4)^\circ$ and $(6x - 4)^\circ$ are the supplementary angles, find the value of x .	2
10	Evaluate: $[(-45) + 5] \div [20 + (-15)]$.	2
11	Find: $5 \frac{1}{7} \div \frac{6}{7}$.	2
12	Represent $\frac{3}{2}$ and $-\frac{3}{4}$ on a number line.	2
SECTION C		
13	If 5 is added to twice a number, the result is 29. Find the number.	3
14	Simplify: i) $[(-10) + 5] \div [20 + (-15)]$ ii) $(-7) \times (-3) \times (-4) \times (-6) \times (-5)$	3
15	A car covers a distance of 89.1 km in 2.2 hours. What is the average distance covered by it in 1 hour?	3
16	Find the value of: i) $\frac{5}{63} - (-\frac{4}{21})$ ii) $\frac{-7}{12} \div (-\frac{21}{36})$	3
17	A kite which is at a height of 215m above the ground level descends at the rate of 5m per minute. Find its height from the ground after 30 minutes.	3
18	Find the area of a rectangle whose length is $3\frac{2}{7}$ m and breadth is $\frac{3}{5}$ m.	3
19	Sachin walks $\frac{2}{3}$ km from a place P, towards east and then from there $1\frac{5}{7}$ km towards west. Where will he be now from P?	3
20	In figure, POQ is a line, if $x = 30^\circ$, then find $\angle QOR$.	3
		
21	Write three pairs of integers (a, b) such that $a \div b = -6$.	3
OR		

	<p>Replace the blank with an integer to make it a true statement.</p> <p>a) $___ \times (-12) = (-60)$</p> <p>b) $5 \times ___ = (-35)$</p> <p>c) $(-8) \times ___ = (-72)$</p>	
22	<p>Solve: i) $4(m + 7) = 36$</p> <p>ii) $\frac{20p}{3} = 80$</p>	3
SECTION D		
23	Raju's father's age is 5 years more than three times Raju's age. Find Raju's age, if his father is 44 years old.	4
24	<p>Subtract the sum of $(-\frac{5}{6})$ and $(-1\frac{3}{5})$ from the sum of $2\frac{2}{3}$ and $(-6\frac{2}{5})$.</p> <p style="text-align: center;">OR</p> <p>Simplify: $(-\frac{5}{8} \times \frac{3}{7} \times \frac{4}{-15}) + (\frac{4}{7} \times \frac{-21}{8})$</p>	4
25	<p>Solve:</p> <p>a) Rohit purchased a notebook for ₹13.65 a pencil for ₹2.00 and a pen for ₹14.35. How much did he pay in all?</p> <p>b) Find: i) 272.56×100</p> <p>ii) $7.75 \div 0.15$</p>	4
26	<p>In the given figure, if $AB \parallel CD$, $\angle APQ = 50^\circ$ and $\angle PRD = 130^\circ$, then find $\angle QPR$.</p> 	4
27	<p>In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer. i) Rohini answered all the questions and scored 30 marks though she got 10 correct answers.</p> <p>ii) Sanjay also answered all the questions and scored (-12) marks though he got 4 correct answers. How many incorrect answers had they attempted?</p>	4
28	<p>Find i) $\frac{1}{7}$ of 6300.</p> <p>ii) $5\frac{5}{6} \div 3\frac{1}{2}$.</p>	4

29	<p>a) Verify that: $a \div (b + c) \neq (a \div b) + (a \div c)$ for each of the values of $a = 24, b = -8$ and $c = 4$.</p> <p>b) Write a pair of negative integers whose difference gives 7.</p>	4
30	<p>a) Shariq says that he has 12 marbles more than five times marbles Sachin has. Shariq has 52 marbles. How many marbles does Sachin has?</p> <p>b) Solve the equations: $3(y - 2) = 12$</p>	4
