Swotters Academy

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Test / Exam Name: Maths - Rational Numbers **Standard: 7th** **Subject: Mathematics**

Student Name: ..... **Section:** ..... **Roll No.:** .....

Questions: 19 **Time: 01:00 hh:mm** **Marks: 30**

Instructions

1. Honesty is the best policy.
2. Start a new section from a new page

SECTION-A

Q1. While representing $\frac{2}{3}$ on a number line, between which 2 integers does the point lie? **1 Mark**

A 1 and 2 **B** 0 and 1 **C** 2 and 3 **D** 1 and 3

Q2. $-\frac{102}{119}$ is standard form is: **1 Mark**

A $-\frac{6}{7}$ **B** $\frac{6}{7}$ **C** $-\frac{6}{17}$ **D** None of these

Q3. Division of 125.625 by 0.5. is: **1 Mark**

A 251.25 **B** 2512.5 **C** 25125 **D** 25.125

Q4. $\frac{5}{4} - \frac{7}{6} - \frac{-2}{3} =$ **1 Mark**

A $\frac{3}{4}$ **B** $-\frac{3}{4}$ **C** $\frac{-7}{12}$ **D** $\frac{7}{12}$

Q5. Difference of these two numbers 99.999 and 100 is: **1 Mark**

A 1.111 **B** 1.000 **C** 0.001 **D** 0.01

Q6. Determine whether the following rational numbers are in the lowest form or not: **1 Mark**

$\frac{-56}{-32}$

Q7. $\frac{-3}{5}$ is ____ then 0. **1 Mark**

Q8. Which is greater in of the following: **1 Mark**

$\frac{-1}{4}, \frac{1}{4}$

Q9. Find the product: **1 Mark**

$\frac{3}{11} \times \frac{2}{5}$

Q10. Find the sum: **1 Mark**

$-2\frac{1}{3} + 4\frac{3}{5}$

Q11. List five rational numbers between: **1 Mark**

-1 and 0

SECTION-B

Q12. Taking $x = \frac{-4}{9}, y = \frac{5}{12}$ and $z = \frac{7}{18}$, find **2 Marks**

The rational number which when multiplied by y to get x.

Q13. Find the reciprocal of the following: **2 Marks**

$\frac{3}{13} \div \frac{-4}{65}$

Q14. Give three rational numbers equivalent to: **2 Marks**

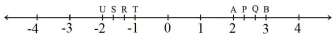
$\frac{7}{11}$

Q15. List four rational numbers between $\frac{5}{7}$ and $\frac{7}{8.}$ **2 Marks**

Q16. Find the odd one out of the following and give reason. **2 Marks**

1. $\frac{4}{3} \times \frac{2}{4}$
2. $\frac{-3}{2} \times \frac{-2}{3}$
3. $2 \times \frac{1}{2}$
4. $\frac{-1}{3} \times \frac{3}{1}$

Q17. The points P, Q, R, S, T, U, A and B on the number line are such that, TR = RS = SU and AP = PQ = QB. Name the rational numbers represented by P, Q, R and S. **3 Marks**



Q18. Draw the number line and represent the following rational numbers on it: **3 Marks**

$\frac{-7}{4}$

Q19. **Simplify:** **3 Marks**

$\frac{13}{11} \times \frac{-14}{5} + \frac{13}{11} \times \frac{-7}{5} + \frac{-13}{11} \times \frac{34}{5}$